DONGHAI
东 海 半 导 体

INNOVATION
LEADS
THE FUTURE
创新引领未来



江苏东海半导体股份有限公司

Jiangsu Donghai Semiconductor Co. LTD

DONGHAI
东 海 半 导 体

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COMPANY INTRODUCTION

公司介绍

江苏东海半导体股份有限公司成立于2004年12月，位于江苏省无锡市，占地面积20000m²，注册资本8150万元，拥有年产5亿颗大功率器件生产线，建有器件特性实验室、可靠性实验室、应用实验室及失效分析实验室等。是一家从事半导体功率器件和集成电路的开发设计、封装测试和销售的高新技术企业。

公司在2015年被授权成立江苏省工程技术研究中心，2021年被授予江苏省企业技术中心，是苏南国家自主创新示范区瞪羚企业及江苏省专精特新中小企业。

公司配有ASM自动固晶机、美国OE自动焊线机、自动切筋设备、自动测试分选机等世界最先进的全自动生产设备，主要封装TO-264、TO-264PLUS-3L/4L、TO-247、TO-247PLUS-3L/4L、TO-3PN、TO-220、TO-220F、TO-251、TO-252、TO-263、DFN、TOLL系列。产品主要有：IGBT、碳化硅、MOSFET、二极管等，广泛应用于新能源、智能汽车电子、5G、各类消费类电子产品、工业类电子产品等领域。

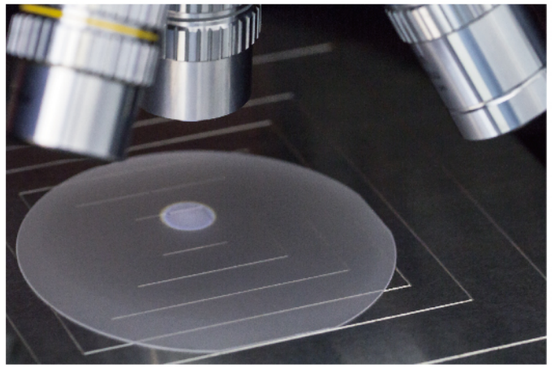
致力于成为功率半导体的领先者

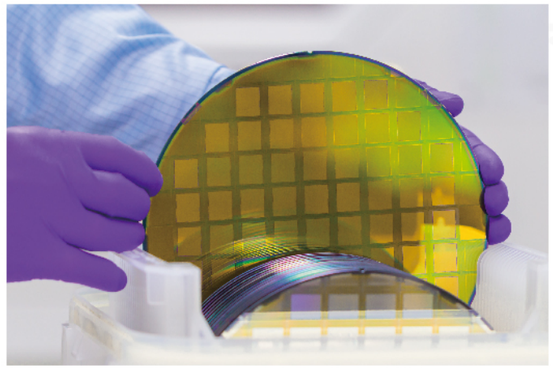
COMMITTED TO BECOME LEADER IN POWER SEMICONDUCTORS

东海半导体秉承“高效、安全、创新、卓越”为核心的理念，
一直努力创建以技术和管理创新为特色的企业文化。

Guided by the core concept of “High efficiency, safety, Innovation and excellence”, Donghai Semiconductor has been striving to create a corporate culture featuring technological and managerial innovation.

高效　安全　创新　卓越





JEstablished in December 2004, Jiangsu Donghai Semiconductor Co. , Ltd. is located in Wuxi, Jiangsu Province. It covers an area of 20,000 m2 and has a registered capital of 81.5 million yuan, there are device characteristic laboratory, reliability laboratory, Application Laboratory and Failure Analysis Laboratory. Is a semiconductor power components and integrated circuit development and design, packaging and testing and sales of high-tech Enterprises.

Donghai was authorized to establish Jiangsu Engineering Technology Research Center in 2015. In 2021, it was awarded the Provincial Enterprise Technology Center of Jiangsu Province. It is a gazelle enterprise and a SRDZ enterprise in Jiangsu Province.

The company is equipped with ASM automatic die bonding machine, OE automatic wire bonding machine, automatic cutting equipment, automatic testing and sorting machine and other world's most advanced automatic production equipment. It Mainly packages TO-264, TO-264PLUS-3L/4L, TO-247, TO-247PLUS-3L/4L, TO-3PN, TO-220, TO-220F, TO-251, TO-252, TO-263, DFN, TOLL series. The main products are: IGBT, SIC, MOSFET, Diode and so on. It is widely used in new energy, intelligent automotive electronics, 5G, various consumer electronics, industrial electronics and other fields.

QUALIFICATION AND HONOR

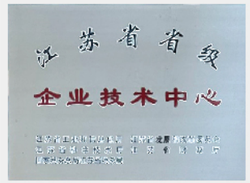
资质荣誉

国家高新技术企业，设有江苏省“企业技术中心”和“汽车电子用功率器件芯片工程技术研究中心”，设有功率半导体技术创新中心，技术人员约60人。

核心技术团队：多名核心技术人员在功率器件研发/制造上拥有超过20年经验，在SGT，SJ，IGBT，SiC MOS等技术门类上拥有丰富的成功经验。

National high-tech enterprises, with Jiangsu Province "Enterprise technology center" and "Automotive electronics power device chip engineering technology research center", with a power semiconductor technology innovation center, technical staff of about 60 people.

Core technical team: A number of core technical personnel have more than 20 years of experience in the development/manufacturing of power devices, and have rich successful experience in SGT, SJ, IGBT, SiC MOS and other technical categories.



企业技术中心
Enterprise technology center



苏南国家自主创新示范区瞪羚企业
South Jiangsu national independent innovation demonstration zone gazelle enterprises



高新技术企业证书-2022
High-tech enterprise Certificate -2022



2022省级专精特新中小企业证书
2022 Provincial specialized special new small and medium-sized enterprise certificate



质量管理体系（中文）
Quality Management System (English)



质量管理体系（英文）
Quality Management System (English)

















DEVELOPMENT HISTORY

企业发展历程

2004-2010



公司正式成立；
封装产线建设完成；
为国内外公司封装代工；

The company was formally established;
Packaging production line construction completed;
Packaging and OEM for domestic and foreign companies;

2011-2016

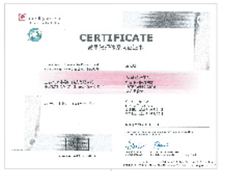
推出自有产品品牌WXDH；
入选国家高新技术企业；
ISO9001质量体系认证；

Launched its own product brand WXDH;
Selected as a national high-tech enterprise;
ISO9001 quality system certification;



2017/2018

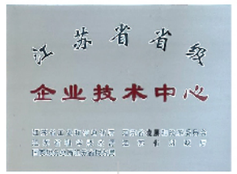
功率半导体技术创新中心



战略转型为研发型产品公司；
Trench MOS开始量产；
汽车电子16949体系认证；

Strategic transformation into a research and development product company;
Trench MOS began mass production;
Automotive electronic 16949 system certification;

2019-2020



江苏省企业技术中心；
SGT MOS研发成功并量产；
IGBT研发成功并规模出货；

Jiangsu Enterprise Technology Center;
SGT MOS was successfully developed and mass-produced;
IGBT successfully developed and shipped on a large scale;

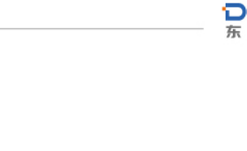
2021/2022

引入战略投资者，股改完成；
FS-IGBT/SJ MOS量产；
批量推出车规级产品；

The introduction of strategic investors, the completion of stock reform;
FS-IGBT/SJ MOS mass production;
Batch launch car gauge products;



2023/2024



新研发大楼启用；
IGBT模块规模出货；
SiC MOS研发成功量产；

New R&D building opened;
IGBT module scale shipment;
SiC MOS was successfully developed and mass-produced;

致力于先进功率器件的设计研发、封装制造和应用方案研究，聚焦在太阳能光伏、新能源汽车、锂电储能、轻型电动车、电动工具等高端和新兴市场应用。

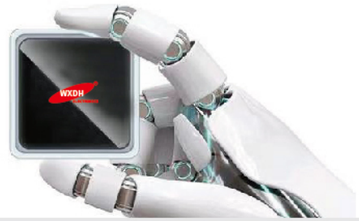
Committed to the design and development of advanced power devices, packaging manufacturing and application scheme research. It focuses on high-end and emerging market applications such as solar energy, EV , lithium energy storage, light electric vehicles and power tools.

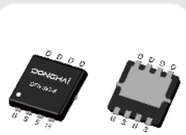
主要产品门类有IGBT单管/模块、SiC 二极管/MOS、SGT MOS、TrenchMOS、超结MOS、三端稳压、FRD、SBD、可控硅等。

The main product categories are IGBT single tube/module, SiC diode /MOS, SGT MOS, Trench-MOS, super junction MOS, three-terminal voltage regulator, FRD, SBD, SCR, etc.

PRODUCT APPEARANCE DISPLAY

产品外形展示




DFN3*3


PDFN5*6


DFN8X8


sTOLL


TOLL


TO-251


TO-252


TO-252-4L


TO-262


TO-263


TO-263-6L


TO-263-7L


TO-220C-2L


TO-220C


TO-220F-2L


TO-220F-3L


TO-3PN


TO-3PF


TO-247-2L


TO-247-3L

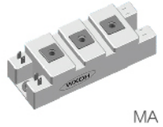

TO-247-4L


TO-247PLUS-3L

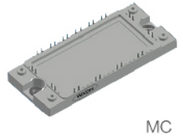

TO-247PLUS-4L


TO-264-3L

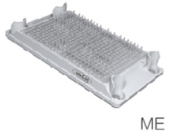

TO-264PLUS-3L


MA


MB

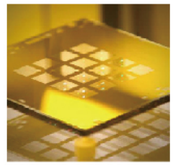

MC

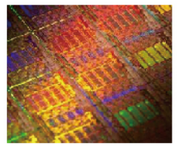

MD


ME

PRODUCTION PROCESS

生产工序





Wafer Outsourcing

掩膜

设计

Fab In

金属化 | CMP | 薄膜淀积

热处理 | 注入 | 刻蚀

光刻

中测

封装

成测








芯片生产线
Wafe Mount


装片生产线
Die Bonding Production Line


键合生产线
Wire Bonding Production Line


塑封生产线
Molding Plastic Production Line

切筋生产线
Cutting Frame Production Line

测试打印生产线
Testing And Printing Production Line

SiC MOSFET

Product information				Parameter information								
Platform	Part No.	Package	Technology	BVDSS (V)	ID (A)	Rds(on) (mΩ)		Vth (V)		Ciss [pF]	Qg (nc)	TJ(° C)
				Min	Max	Typ	Max	Typ	Max	Typ	Typ	
650V Planar	DCC060M65G2	TO-247-3L	G2	650	41	60	79	2.6	4	830	50	175
	DCCF060M65G2	TO-247-4L	G2	650	41	60	79	2.6	4	830	50	175
	DCEV060M65G2	TO-263-7	G2	650	41	60	79	2.6	4	830	50	175
	DCC040M65G2	TO-247-3L	G2	650	52	40	52	2.6	4.3	1500	82	175
	DCCF040M65G2	TO-247-4L	G2	650	52	40	52	2.6	4.3	1500	82	175
	DCEV040M65G2	TO-263-7	G2	650	52	40	52	2.6	4.3	1500	82	175
	DCC030M65G2	TO-247-3L	G2	650	55	30	39	2.6	4.3	2000	110	175
	DCCF030M65G2	TO-247-4L	G2	650	55	30	39	2.6	4.3	2000	110	175
	DCEV030M65G2	TO-263-7	G2	650	55	30	39	2.6	4.3	2000	110	175
	DCC020M65G2	TO-247-3L	G2	650	92	20	30	2.6	4	3180	187	175
	DCCF020M65G2	TO-247-4L	G2	650	92	20	30	2.6	4	3180	187	175
	DCEV020M65G2	TO-263-7	G2	650	92	20	30	2.6	4	3180	187	175
900V Planar	DCC060M90G2	TO-247-3L	G2	900	35	60	75	2.6	4	1400	60	175
	DCCF060M90G2	TO-247-4L	G2	900	35	60	75	2.6	4	1400	60	175
	DCEV060M90G2	TO-263-7	G2	900	35	60	75	2.6	4	1400	60	175
1200V Planar	DCC140M120G2	TO-247-3L	G2	1200	17	140	185	2.6	4	610	42.5	175
	DCCF140M120G2	TO-247-4L	G2	1200	17	140	185	2.6	4	610	42.5	175
	DCEV140M120G2	TO-263-7	G2	1200	17	140	185	2.6	4	610	42.5	175
	DCC075M120G2	TO-247-3L	G2	1200	33	75	95	2.6	4	1200	68	175
	DCCF075M120G2	TO-247-4L	G2	1200	33	75	95	2.6	4	1200	68	175
	DCEV075M120G2	TO-263-7	G2	1200	33	75	95	2.6	4	1200	68	175
	DCC040M120A2	TO-247-3L	G2	1200	65	40	52	2.6	4	2080	120	175
	DCCF040M120A2	TO-247-4L	G2	1200	65	40	52	2.6	4	2080	120	175
	DCEV040M120A2	TO-263-7	G2	1200	65	40	52	2.6	4	2080	120	175
	DCC030M120G2	TO-247-3L	G2	1200	68	30	42	2.6	4	2680	102	175
	DCCF030M120G2	TO-247-4L	G2	1200	68	30	42	2.6	4	2680	102	175
	DCEV030M120G2	TO-263-7	G2	1200	68	30	42	2.6	4	2680	102	175
	DCC016M120G2	TO-247-3L	G2	1200	120	16	22	2.6	4	4817	269	175
	DCCF016M120G2	TO-247-4L	G2	1200	120	16	22	2.6	4	4817	269	175
1700V Planar	DCC1K0M170G1	TO-247-3L	G1	1700	5	1000	1300	3	4.5	186	21.8	150
	DCEV1K0M170G1	TO-263-7	G1	1700	5	1000	1300	3	4.5	186	21.8	150
	DCC650M170G1	TO-247-3L	G1	1700	7	650	850	2.6	4	194	23	150

SiC SBD

Product information				Parameter information							
Platform	Part No.	Package	Technology	VBR (V)	IF (A)	VF (V)		Qc (nc)	IFSM (A)	Tj(° C)	Configuration
					Max	Typ	Max	Typ			
650V	DCGT04D65G4	TO-220-2L	G4	650	4	1.28	1.5	11.5	32	175	Single
	DCFT04D65G4	TO-220F-2	G4	650	4	1.28	1.5	11.5	32	175	Single
	DCD04D65G4	TO-252	G4	650	4	1.28	1.5	11.5	32	175	Single
	DCGT06D65G4	TO-220-2L	G4	650	6	1.27	1.5	17	52	175	Single
	DCFT06D65G4	TO-220F-2	G4	650	6	1.27	1.5	17	50	175	Single
	DCD06D65G4	TO-252	G4	650	6	1.27	1.5	17	52	175	Single
	DCGT08D65G4	TO-220-2L	G4	650	8	1.27	1.5	21	72	175	Single
	DCFT08D65G4	TO-220F-2	G4	650	8	1.27	1.5	21	72	175	Single
	DCD08D65G4	TO-252	G4	650	8	1.27	1.5	21	72	175	Single
	DCGT10D65G4	TO-220-2L	G4	650	10	1.27	1.5	25	86	175	Single
	DCFT10D65G4	TO-220F-2	G4	650	10	1.27	1.5	25	80	175	Single
	DCD10D65G4	TO-252	G4	650	10	1.27	1.5	25	86	175	Single
	DCE10D65G4	TO-263-2	G4	650	10	1.27	1.5	25	86	175	Single
	DCGT20D65G4	TO-220-2L	G4	650	20	1.27	1.5	41	160	175	Single
	DCCT20D65G4	TO-247-2L	G4	650	20	1.27	1.5	41	160	175	Single
	DCC20D65G4	TO-247-3L	G4	650	20	1.27	1.5	50	172	175	Double
	DCCT30D65G4	TO-247-2L	G4	650	30	1.3	1.5	68	220	175	Single
	DCC40D65G4	TO-247-3L	G4	650	40	1.27	1.5	82	300	175	Double
	DCCT50D65G4	TO-247-2L	G4	650	50	1.3	1.5	110	300	175	Single
1200V	DCGT05D120G4	TO-220-2L	G4	1200	5	1.45	1.8	25	50	175	Single
	DCD05D120G4	TO-252	G4	1200	5	1.45	1.8	25	50	175	Single
	DCGT10D120G4	TO-220-2L	G4	1200	10	1.45	1.8	41	90	175	Single
	DCCT10D120G4	TO-247-2L	G4	1200	10	1.45	1.8	41	90	175	Single
	DCD10D120G4	TO-252	G4	1200	10	1.45	1.8	41	90	175	Single
	DCE10D120G4	TO-263-2	G4	1200	10	1.45	1.8	41	90	175	Single
	DCGT15D120G4	TO-220-2L	G4	1200	15	1.45	1.8	62	135	175	Single
	DCCT15D120G4	TO-247-2L	G4	1200	15	1.45	1.8	62	135	175	Single
	DCE15D120G4	TO-263-2	G4	1200	15	1.45	1.8	62	135	175	Single
	DCGT20D120G4	TO-220-2L	G4	1200	20	1.45	1.8	80	180	175	Single
	DCCT20D120G4	TO-247-2L	G4	1200	20	1.45	1.8	80	180	175	Single
	DCC20D120G4	TO-247-3L	G4	1200	20	1.45	1.8	82	180	175	Double
	DCE20D120G4	TO-263-2	G4	1200	20	1.45	1.8	80	180	175	Single
	DCCT30D120G4	TO-247-2L	G4	1200	30	1.45	1.8	78	240	175	Single
	DCC30D120G4	TO-247-3L	G4	1200	30	1.45	1.8	124	270	175	Double
	DCCT40D120G4	TO-247-2L	G4	1200	40	1.45	1.8	154	300	175	Single
	DCC40D120G4	TO-247-3L	G4	1200	40	1.45	1.8	160	360	175	Double
1700V	DCCT10D170G3	TO-247-2L	G3	1700	10	1.5	1.8	106	110	175	Single
	DCCT25D170G1	TO-247-2L	G1	1700	25	1.6	1.8	82	120	150	Single
	DCCT50D170G3	TO-247-2L	G3	1700	50	1.6	1.8	509	300	175	Single

SIC Diode

Part No.	Package	Technology	VBR (V)	IF (A)	VF (V)	IFSM(A)	Qc(nc)	Tj(° C)	Configuration
DCGT04D65G4	TO220-2	G4	650	4	1.28	32	11.5	175	Single
DCFT04D65G4	TO220F-2	G4	650	4	1.28	32	11.5	175	Single
DCD04D65G4	TO252	G4	650	4	1.28	32	11.5	175	Single
DCGT06D65G4	TO220-2	G4	650	6	1.27	52	17	175	Single
DCFT06D65G4	TO220F-2	G4	650	6	1.27	50	17	175	Single
DCD06D65G4	TO252	G4	650	6	1.27	52	17	175	Single
DCGT08D65G4	TO220-2	G4	650	8	1.27	72	21	175	Single
DCFT08D65G4	TO220F-2	G4	650	8	1.27	72	21	175	Single
DCD08D65G4	TO252	G4	650	8	1.27	72	21	175	Single
DCGT10D65G4	TO220-2	G4	650	10	1.27	86	25	175	Single
DCFT10D65G4	TO220F-2	G4	650	10	1.27	80	25	175	Single
DCD10D65G4	TO252	G4	650	10	1.27	86	25	175	Single
DCE10D65G4	TO263-2	G4	650	10	1.27	86	25	175	Single
DCGT20D65G4	TO220-2	G4	650	20	1.27	160	41	175	Single
DCCT20D65G4	TO247-2	G4	650	20	1.27	160	41	175	Single
DCC20D65G4	TO247-3	G4	650	20	1.27	172	50	175	Double
DCCT30D65G4	TO247-2	G4	650	30	1.3	220	68	175	Single
DCC40D65G4	TO247-3	G4	650	40	1.27	300	82	175	Double
DCCT50D65G4	TO247-2	G4	650	50	1.3	300	110	175	Single
DCGT05D120G4	TO220-2	G4	1200	5	1.45	50	25	175	Single
DCD05D120G4	TO252	G4	1200	5	1.45	50	25	175	Single
DCGT10D120G4	TO220-2	G4	1200	10	1.45	90	41	175	Single
DCCT10D120G4	TO247-2	G4	1200	10	1.45	90	41	175	Single
DCD10D120G4	TO252	G4	1200	10	1.45	90	41	175	Single
DCE10D120G4	TO263-2	G4	1200	10	1.45	90	41	175	Single
DCGT15D120G4	TO220-2	G4	1200	15	1.45	135	62	175	Single
DCCT15D120G4	TO247-2	G4	1200	15	1.45	135	62	175	Single
DCE15D120G4	TO263-2	G4	1200	15	1.45	135	62	175	Single
DCGT20D120G4	TO220-2	G4	1200	20	1.45	180	80	175	Single
DCCT20D120G4	TO247-2	G4	1200	20	1.45	180	80	175	Single
DCC20D120G4	TO247-3	G4	1200	20	1.45	180	82	175	Double
DCE20D120G4	TO263-2	G4	1200	20	1.45	180	80	175	Single
DCCT30D120G4	TO247-2	G4	1200	30	1.45	240	78	175	Single
DCC30D120G4	TO247-3	G4	1200	30	1.45	270	124	175	Double
DCCT40D120G4	TO247-2	G4	1200	40	1.45	300	154	175	Single
DCC40D120G4	TO247-3	G4	1200	40	1.45	360	160	175	Double
DCCT10D170G3	TO247-2	G3	1700	10	1.5	110	106	175	Single
DCCT25D170G1	TO247-2	G1	1700	25	1.6	120	82	150	Single
DCCT50D170G3	TO247-2	G3	1700	50	1.6	300	509	175	Single

IGBT Module

Platform	Part No.	IC(A)	Vces(V)	VGE (V)	VGE(TH) (V)	VCE(sat) (V)(TYP)	Encapsulation Package	Recommended frequency
FS-1200V	DGA40H120M2T	40A	1200V	±30	5.0-7.0	1.75	MA	10~30K
	G50N120D	50A	1200V	±30	5.0-7.0	1.85	MA	10~30K
	DGA75H120M2T	75A	1200V	±30	5.0-7.0	1.95	MA	10~30K
	DGA100H120M2T	100A	1200V	±30	5.0-7.0	1.95	MA	10~30K
	DGA150H120M2T	150A	1200V	±30	5.0-7.0	2.4	MA	10~25K
	DGB150H120L2T	150A	1200V	±30	5.0-7.0	2.4	MB	10~25K
	DGB250H120L	250A	1200V	±30	5.0-7.0	1.8	MB	5~20K
	DGB450H120L	450A	1200V	±30	5.0-7.0	1.75	MB	5~20K
	DGB600H120L	600A	1200V	±30	5.0-7.0	1.85	MB	5~20K
	DGD450H120L	450A	1200V	±30	5.0-7.0	1.85	MD(带NTC)	3~15K
	DGD600H120L	600A	1200V	±30	5.0-7.0	1.75	MD((带NTC)	3~15K
	DGD900H120L	900A	1200V	±30	5.0-7.0	1.65	MD((带NTC)	3~10K
	DGC75C120M2T	75A	1200V	±30	5.0-7.0	2.1	MC(带NTC)	10~20K
	DGC40C120M2T	40A	1200V	±30	5.0-7.0	1.75	MC(带NTC)	10~20K
	DGP75C120L2T	75A	1200V	±30	5.0-7.0	2.1	MJ(带NTC)	10~20K
	DGP100C120L2T	100A	1200V	±30	5.0-7.0	1.75	MJ(带NTC)	10~20K
	DGE450C120M3T	450A	1200V	±25	3.0-6.0	2.1	ME(带NTC)	10~25K
	DGE600C120M3T	600A	1200V	±25	3.0-6.0	2.15	ME(带NTC)	10~25K
FS-650V	DGC50C65M2T	50A	650V	±30	5.0-7.0	1.9	MC(带NTC)	15~30K
	DGC75C65M2T	75A	650V	±30	5.0-7.0	1.75	MC(带NTC)	10~20K
	DGA50H65M2T	50A	650V	±30	5.0-7.0	1.85	MA	10~50K
	DGA75H65M2T	75A	650V	±30	5.0-7.0	1.8	MA	10~50K
	DGA100H65M2T	100A	650V	±30	5.0-7.0	1.85	MA	10~40K
	DGA160H65M2T	160A	650V	±30	5.0-7.0	1.8	MA	10~40K
	DGA200H65M2T	200A	650V	±30	5.0-7.0	1.65	MA	10~40K
	DGA250H65M2T	250A	650V	±30	5.0-7.0	1.65	MA	10~40K
	DGD400H65M2	400A	650V	±30	4.0-7.0	1.65	MD(带NTC)	10~30K
	DGD600H65M2	600A	650V	±30	4.0-7.0	1.8	MD(带NTC)	10~30K
	DGQ450C65M2T	450A	650V	±23	3.0-5.0	1.6	MQ(带NTC)	10~20K

IGBT Single

Part No.	IC(A)	Vces(V)	VGE (V)	VGETH (V)	VCEsat(V) TYP	Encapsulation Package	Recommended frequency
DGC25H120M2	25	1200	±30V	4.5-7.0	2.1	TO-247-3L	10k-30k
DGN25H120M2	25	1200	±30V	4.5-7.0	2.1	TO-3PN	10k-30k
DGCI25H120M2	25	1200	±30V	4.5-7.0	2.1	ITO-247-3L	10k-30k
DGC25F120M2	25	1200	±30V	4.5-7.0	2.1	TO-247-3L	10k-30k
DGN25F120M2	25	1200	±30V	4.5-7.0	2.1	TO-3PN	10k-30k
DGCI25F120M2	25	1200	±30V	4.5-7.0	2.1	ITO-247-3L	10k-30k
DGC30F120M2	30	1200	±30V	4.5-7.0	1.8	TO-247-3L	10k-30k
DGN30F120M2	30	1200	±30V	4.5-7.0	1.8	TO-3PN	10k-30k
DGC40F120M2	40	1200	±30V	4.5-7.0	1.8	TO-247-3L	10k-30k
DGC40H120M2	40	1200	±30V	4.5-7.0	1.8	TO-247-3L	10k-30k
G40N120D	40	1200	±30V	4.5-7.0	1.7	TO-247-3L	10k-30k
G50N120D	50	1200	±30V	4.5-7.0	1.7	TO-264-3L	10k-30k
DGC75F120M2	75	1200	±30V	4.5-7.0	2.1	TO-247PLUS-3L	10k-30k
DGA75F120M2	75	1200	±30V	4.5-7.0	2.1	TO-264-3L	10k-30k
DGCPI75F120M2	75	1200	±30V	4.5-7.0	2.1	ITO-247PLUS-3L	10k-30k
DGCQ75F120M2	75	1200	±30V	4.5-7.0	2.1	TO-247PLUS-4L	10k-30k
DGCP120F120L2	120	1200	±30V	4.5-7.0	1.8	TO-247PLUS-3L	10k-30k
DGCQ120F120L2	120	1200	±30V	4.5-7.0	1.8	TO-247PLUS-4L	10k-30k
DGCPI120F120L2	120	1200	±30V	4.5-7.0	1.8	ITO-247PLUS-3L	10k-30k
DGCP150F120L2	150	1200	±30V	4.5-7.0	1.8	TO-247PLUS-3L	10k-30k
DGCQ150F120L2	150	1200	±30V	4.5-7.0	1.8	TO-247PLUS-4L	10k-30k
DHG15T65DLBBF	15	650	±30	4.0-7.0	1.55	TO-220F	10k-30k
G20T65D	20	650	±30	4.0-7.0	1.90	TO-220F	10k-30k

IGBT Single

Part No.	IC(A)	Vces(V)	VGE (V)	VGETH (V)	VCEsat(V) TYP	Encapsulation Package	Recommended frequency
DGF20F65M2	20	650	±30	4.0-7.0	1.80	TO-220F	10k-30k
DGE20F65M2	20	650	±30	4.0-7.0	1.80	TO-263-3L	10k-30k
DGC20F65M2	20	650	±30	4.0-7.0	1.80	TO-247-3L	10k-30k
DGG20F65M2	20	650	±30	4.0-7.0	1.80	TO-220C	10k-30k
DGN30F65M2	30	650	±30	4.0-7.0	2.00	TO-3PN	10k-30k
DGC30F65M2	30	650	±30	4.0-7.0	2.00	TO-247-3L	10k-30k
DGF30F65M2	30	650	±30	4.0-7.0	2.00	TO-220F	10k-30k
DGCF40F65M2	40	650	±30	4.0-7.0	1.85	TO-247-4L	10k-30k
G50T65D	50	650	±30	4.0-7.0	2.00	TO-3PN	10k-30k
DHG50T65LBBW	50	650	±30	4.0-7.0	1.85	TO-247-3L	20k-40k
DGCF50F65M2	50	650	±30	4.0-7.0	1.85	TO-247-4L	20k-40k
DGC60F65M	60	650	±30	4.0-7.0	2.00	TO-247-3L	20k-40k
DGC75F65M	75	650	±30	4.0-7.0	1.70	TO-247-3L	20k-40k
DGCF75F65M	75	650	±30	4.0-7.0	1.70	TO-247-4L	20k-40k
DGCPI75F65M	75	650	±30	4.0-7.0	1.70	ITO-247PLUS-3L	20k-40k
DGC80F65M	80	650	±30	4.0-7.0	1.65	TO-247-3L	20k-40k
DGC120F65M2	120	650	±30	4.0-7.0	1.60	TO-247-3L	20k-40k
DGCP120F65M2	120	650	±30	4.0-7.0	1.60	TO-247PLUS-3L	20k-40k
DGCQ120F65M2	120	650	±30	4.0-7.0	1.60	TO-247PLUS-4L	20k-40k
DGCPI120F65M2	120	650	±30	4.0-7.0	1.60	ITO-247PLUS-3L	20k-40k
DGCP160H65L2	160	650	±30	4.0-7.0	1.80	TO-247PLUS-3L	20k-30k
DGCP200H65L2	200	650	±30	4.0-7.0	1.50	TO-247PLUS-3L	20k-30k
DAGC75H65M	75	750	±30	4.0-7.0	1.70	TO-247-3L	20k-40k

LV.MV.MOSFET

Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
P100V Trench	DH100P70	TO-220	P	-73	-100	±20	18	21	-2	10656	187	34
	DH100P70I	TO-262	P	-73	-100	±20	18	21	-2	10656	187	34
	DH100P70E	TO-263	P	-73	-100	±20	18	21	-2	10656	187	34
	DH100P30E	TO-263	P	-35	-100	±20	33	40	-2	5250	94	19
	DH100P30D	TO-252	P	-35	-100	±20	33	40	-2	5250	94	19
	DH100P20B	TO-251	P	-20	-100	±20	80	100	-2	4258	71	8.1
	DH100P20D	TO-252	P	-20	-100	±20	80	100	-2	4258	71	8.1
	DH100P18D	TO-252	P	-13	-100	±20	165	200	-2	2132	36.2	4.04
	DH100P18B	TO-251	P	-13	-100	±20	165	200	-2	2132	36.2	4.04
	DH100P18V	SOP-8	P	-3	-100	±20	165	200	-2	2132	36.2	4.04
P60V Trench	DTG050P06LA	TO-220	P	-140	-60	±20	5.8	6.6	-1.5	12668	247	41
	DTP125P06LA	DFN5*6	P	-70	-60	±20	10	12.5	-1.5	6548	82	21
	DTD125P06LA	TO-252	P	-85	-60	±20	10.5	12.5	-1.5	6548	82	21
	DTG125P06LA	TO-263	P	-85	-60	±20	10.8	12.5	-1.5	6548	82	21
	DTE125P06LA	TO-220	P	-85	-60	±20	10.5	12.5	-1.5	6548	82	21
	DH400P06LD	TO-252	P	-40	-60	±20	22	30	-1.5	3186	53	10
	DH400P06LB	TO-251	P	-40	-60	±20	22	30	-1.5	3193	57	10.5
	DH300P06L	TO-220	P	-50	-60	±20	22	30	-1.5	3193	57	10.5
	DH400P06LE	TO-263	P	-50	-60	±20	22	30	-1.5	3193	57	10.5
	DH400P06LV	SOP-8	P	-10	-60	±20	22	30	-1.5	3193	57	10.5
	DH300P06LP	DFN5*6	P	-35	-60	±20	22	30	-1.5	3193	57	10.5
	DH400P06LR	DFN3*3	P	-25	-60	±20	22	30	-1.5	3193	57	10.5
	DH500P06R	DFN3*3	P	-12	-60	±20	50	60	-1.5	1528	28.2	3.8
	DH9Z24	TO-220	P	-20	-60	±20	58	70	-1.5	1528	28.2	3.8
	DHB9Z24	TO-251	P	-20	-60	±20	58	70	-1.5	1528	28.2	3.8
	DHD9Z24	TO-252	P	-20	-60	±20	58	70	-1.5	1528	28.2	3.8
P40V SGT	DSD070P04L	TO-252	P	-84	-40	±20	6.5	7.8	-1.6	3401	50	7

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Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
P40V Trench	AOD413	TO-252	P	-30	-40	±20	30	40	-1.8	1445	25.3	4.1
	AOB413	TO-251	P	-30	-40	±20	30	40	-1.8	1445	25.3	4.1
	DH170P04V	SOP-8	P	-10	-40	±20	16	20	-1.8	2800	46	6
	DH160P04D	TO-252	P	-50	-40	±20	13	19	-1.8	2800	46	6
	DTD430P04L	TO-252	P	-22	-40	±20	35	42	-1.8	1089	18	2
P30V Trench	DH060P03D	TO-252	P	-140	-30	±20	4.5	5.4	-1.5	6979	127	22
	DH060P03P	DFN5*6	P	-100	-30	±20	4.5	5.5	-1.5	6979	127	22
	DH060P03	TO-220	P	-140	-30	±20	4.5	5.4	-1.5	6979	127	22
	DH060P03E	TO-263	P	-140	-30	±20	4.5	5.4	-1.5	6979	127	22
	DTR150P03L	DFN3*3	P	-32	-30	±20	11	14	-1.5	1971	36	5
	DTD150P03L	TO-252	P	-44	-30	±20	11.5	14	-1.5	1971	36	5
N20V Trench	DH009N02U	TOLL	N	280	20	±20	0.95	1.07	1.5	10569	208	52
	DH009N02P	DFN5*6	N	220	20	±20	1	1.2	1.5	9066	196	53
	DH009N02	TO-220	N	310	20	±20	1.35	1.8	1.5	9066	196	53
	DH048N02D	TO-252	N	60	20	±12	4.8	5.5	0.7	2090	69	11.1
N30V SGT	DHS010N03P	DFN5*6	N	100	30	±20	1.1	1.35	1.5	7119	96	10
	DSP007N03LA	DFN5*6-Clip	N	355	30	±20	0.58	0.75	1.5	7119	96	10
	DHS010N03E	TO-263	N	180	35	±20	1.2	1.4	1.5	7119	96	10
	DHS010N03	TO-220	N	180	35	±20	1.35	1.6	1.5	7119	96	10
N30V Trench	DH012N03U	TOLL	N	235	30	±20	1.15	1.32	1.5	8600	193	46
	DH012N03P	DFN5*6	N	100	30	±20	1.2	1.5	1.5	8573	154	19
	DH012N03D	TO-252	N	320	30	±20	1.5	1.8	1.5	8573	209	56.5
	DH012N03E	TO-263	N	320	30	±20	1.5	1.8	1.5	8573	209	56.5
	DH012N03	TO-220	N	320	30	±20	1.5	2	1.5	8573	209	56.5
	DH020N03P	DFN5*6	N	160	30	±20	1.5	1.8	1.5	5297	125	37
	DH020N03D	TO-252	N	200	30	±20	2	2.4	1.5	5297	125	37
	DH020N03	TO-220	N	200	30	±20	2	2.4	1.5	5297	125	37

LV.MV.MOSFET

Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N30V Trench	DH020N03E	TO-263	N	200	30	±20	2	2.4	1.5	5297	125	37
	DTG023N03L	TO-220	N	150	30	±20	2.2	2.7	1.5	4394	86	18
	DTD025N03L	TO-252	N	80	30	±20	2.4	2.8	1.5	4394	86	18
	DH030N03P	DFN5*6	N	96	30	±20	3.1	3.7	1.5	2531	61	17
	DH030N03	TO-220	N	120	30	±20	3	3.6	1.5	2531	61	17
	DH030N03D	TO-252	N	120	30	±20	3	3.6	1.5	2531	61	17
	DH030N03E	TO-263	N	120	30	±20	3	3.6	1.5	2531	61	17
	DH033N03D	TO-252	N	100	30	±20	3.3	4	1.5	2415	50	12
	DH033N03	TO-220	N	100	30	±20	3.3	4	1.5	2415	50	12
	DH033N03E	TO-263	N	100	30	±20	3.3	4	1.5	2415	50	12
	DH033N03R	DFN3*3	N	65	30	±20	3.4	4.2	1.5	2248	51	12
	30H10K	TO-252	N	100	30	±20	3.4	4.2	1.5	2415	50	12
	DHP90N03	DFN5*6	N	81	30	±20	4	5	1.5	1963	41	11
	DHD90N03	TO-252	N	90	30	±20	4	5	1.5	1963	41	11
	DHD90N03	TO-252	N	100	30	±20	3.8	4.5	1.5	2433	49	8.4
	DH80N03V	SOP-8	N	16	30	±20	6.3	7.5	1.5	1460	34.5	9.2
	DHP80N03	DFN5*6	N	72	30	±20	5.5	7	1.5	1460	34.5	9.2
	DHD80N03	TO-252	N	80	30	±20	5	6.5	1.5	1460	34.5	9.2
	DHB50N03	TO-251	N	50	30	±20	6	7.5	1.5	1200	25.7	5.8
	DHD50N03	TO-252	N	50	30	±20	6	7.5	1.5	1200	25.7	5.8
	DH50N03	TO-220	N	50	30	±20	6	7.5	1.5	1200	25.7	5.8
	DH060N03R	DFN3*3	N	40	30	±20	5.5	6.5	1.5	1200	25.7	5.8
	DH091N03D	TO-252	N	24	30	±20	10	12	1.5	755	15	4.3
	DH081N03R	DFN3*3	N	30	30	±20	7.6	9.5	1.5	848	20	4.7
	DH081N03D	TO-252	N	60	30	±20	8.1	10	1.5	848	20	4.66
	DTR120N03L	DFN3*3	N	37	30	±20	9	10.5	1.8	778	17	4
	DH091N03B	TO-251	N	48	30	±20	11	14	1.8	778	17	4

LV.MV.MOSFET

Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N30V Trench	DH091N03D	TO-252	P	48	30	±20	11	14	1.8	778	17	4
N40V SGT	DSU007N04NA	TOLL	P	360	40	±20	0.5	0.7	2.9	9669	118	11.5
	DSEQ008N04NA	TO-263-6L	P	250	40	±20	0.65	0.8	2.9	9669	118	11.5
	DSE012N04NA	TO-263	P	200	40	±20	0.85	1.15	2.9	9669	118	11.5
	DSG014N04N	TO-220	P	200	40	±20	1.3	1.5	2.9	9669	118	11.5
	DHS010N04U	TOLL	P	300	40	±20	0.8	1	1.5	9864	142	26
	DHS010N04	TO-220	P	180	40	±20	1.4	1.8	1.5	9864	142	26
	DHS010N04E	TO-263	P	180	40	±20	1.1	1.5	1.5	9864	142	26
	DSG019N04L	TO-220	P	180	40	±20	1.6	1.9	1.6	5275	71	7.3
	DSE017N04LA	TO-263	P	180	40	±20	1.25	1.6	1.6	5275	71	7.3
	DSP009N04LA	DFN5*6-Clip	P	340	40	±20	0.8	0.95	1.6	5275	71	7.3
	DSP012N04LA	DFN5*6	N	100	40	±20	1.2	1.4	1.6	5275	71	7.3
	DSK010N04LA	sTOLL	N	250	40	±20	0.85	1.1	1.6	5275	71	7.3
	DHS020N04P	DFN5*6	N	100	40	±20	1.2	1.6	1.6	4050	74	12
	DHS020N04	TO-220	N	180	40	±20	1.7	2.1	1.6	4050	74	12
	DHS020N04E	TO-263	N	180	40	±20	1.5	1.9	1.6	4050	74	12
	DHS020N04D	TO-252	N	120	40	±20	1.7	2.1	1.6	4050	74	12
	DHS020N04B	TO-251	N	120	40	±20	1.7	2.1	1.6	4050	74	12
	DHS021N04P	DFN5*6	N	100	40	±20	1.4	1.8	1.6	3296	60	11
	DSP018N04LA	DFN5*6	N	100	40	±20	1.4	1.8	1.6	3296	60	11
	DSP018N04NA	DFN5*6	N	100	40	±20	1.6	1.9	2.7	2619	34	4
	DHS021N04E	TO-263	N	180	40	±20	1.8	2.2	1.6	3296	60	11
	DHS021N04	TO-220	N	180	40	±20	2.1	2.5	1.6	3296	60	11
	DHS021N04B	TO-251	N	120	40	±20	2	2.4	1.6	3296	60	11
	DHS021N04D	TO-252	N	120	40	±20	2	2.4	1.6	3296	60	11
	DSP025N04LA	DFN5*6	N	95	40	±20	2	2.5	1.7	1884	25	2.6
	DSD065N04LA	TO-252	N	82	40	±20	5.5	6.5	1.7	901	13	1

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Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N40V SGT	DSR070N04LA	DFN3*3	N	40	40	±20	4.5	5.3	1.7	901	13	1
	DSPQ065N04LA	DFN5*6-Dual	N+N	40	40	±20	6.7	7.7	1.7	901	13	1
	DSP060N04LA	DFN5*6	N	66	40	±20	4	4.8	1.7	901	13	1
N40V Trench	DTE015N04NA	TO-263	N	180	40	±20	1.34	1.6	3	12601	193	33
	DTG018N04N	TO-220	N	180	40	±20	1.5	1.8	3	12601	193	33
	DTD026N04L	TO-252	N	80	40	±20	2.2	2.6	1.7	8399	148	21
	DTP024N04L	DFN5*6	N	100	40	±20	1.9	2.4	1.7	8399	148	21
	DTG029N04L	TO-220	N	160	40	±20	2.4	2.8	1.7	8399	148	21
	DTE026N04L	TO-263	N	160	40	±20	2.1	2.5	1.7	8399	148	21
	DH025N04P	DFN5*6	N	105	40	±20	2.3	2.8	1.5	7402	114	18
	DH025N04D	TO-252	N	130	40	±20	2.8	3.4	1.5	7402	114	18
	DH025N04	TO-220	N	130	40	±20	2.8	3.4	1.5	7402	114	18
	DH025N04E	TO-263	N	130	40	±20	2.8	3.4	1.5	7402	114	18
	DTD032N04NA	TO-252	N	80	40	±20	2.7	3.2	3	4617	82	21
	DTE030N04NA	TO-263	N	120	40	±20	2.6	3.1	3	4655	73	14
	DTG032N04N	TO-220	N	120	40	±20	2.9	3.4	3	4655	73	14
	DTP027N04NA	DFN5*6	N	80	40	±20	2.4	2.75	3	4655	73	14
	DH033N04P	DFN5*6	N	96	40	±20	3.5	4.5	1.5	3676	87	22
	DH033N04D	TO-252	N	120	40	±20	3.5	4.5	1.5	3676	87	22
	DH033N04	TO-220	N	120	40	±20	3.5	4.5	1.5	3676	87	22
	DH033N04E	TO-263	N	120	40	±20	3.5	4.5	1.5	3676	87	22
	DTG045N04NA	TO-220	N	120	40	±20	3.8	4.5	3	3264	59	15
	DTD045N04NA	TO-252	N	80	40	±20	3.8	4.5	3	3264	59	15
	DTE043N04NA	TO-263	N	120	40	±20	3.6	4.3	3	3264	59	15
	DTP042N04NA	DFN5*6	N	96	40	±20	3.4	4	3	3264	59	15
	DH045N04R	DFN3*3	N	60	40	±20	6.1	7.3	1.5	2289	52	12
	DH045N04P	DFN5*6	N	80	40	±20	5.7	6.5	1.5	2289	52	12

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Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N40V Trench	DH045N04D	TO-252	N	90	40	±20	5.5	6.5	1.5	2289	52	12
	DH045N04	TO-220	N	90	40	±20	5.5	6.5	1.5	2289	52	12
	DH045N04E	TO-263	N	90	40	±20	5.5	6.5	1.5	2289	52	12
	DH065N04P	DFN5*6	N	60	40	±20	6.3	7.5	1.5	2137	38	6
	DH065N04D	TO-252	N	80	40	±20	6	7	1.5	2137	38	6
	DH065N04	TO-220	N	80	40	±20	6	7	1.5	2137	38	6
N60V SGT	DHS015N06U	TOLL	N	300	60	±20	1.1	1.32	3	8217	136	29
	DHS015N06	TO-220	N	180	60	±20	1.8	2.2	3	8217	136	29
	DHS015N06E	TO-263	N	180	60	±20	1.6	2	3	8217	136	29
	DSP018N06NA	DFN5*6-Clip	N	257	60	±20	1.4	1.7	3	4367	60	10
	DHS026N06P	DFN5*6	N	100	60	±20	2.1	2.5	3	4521	70	12.5
	DHS022N06	TO-220	N	180	60	±20	2.3	2.7	3	4521	70	12.5
	DHS022N06E	TO-263	N	180	60	±20	2	2.4	3	4521	70	12.5
	DHS022N06D	TO-3PN	N	180	60	±20	2.4	2.8	3	4521	70	12.5
	DHS025N06	TO-220	N	180	60	±20	2.5	2.9	3	4553	61	13
	DHS025N06E	TO-263	N	180	60	±20	2.2	2.6	3	4553	61	13
	DHS025N06D	TO-252	N	120	60	±20	2.3	2.7	3	4553	61	13
	DHS025N06B	TO-251	N	120	60	±20	2.3	2.7	3	4553	61	13
	DHS025N06P	DFN5*6	N	100	60	±20	2.2	2.6	3	4553	61	13
	DSP027N06N	DFN5*6	N	100	60	±20	2.1	2.52	3	4197	74	19
	DSD030N06N	TO-252	N	80	60	±20	2.5	2.9	3	4197	74	19
	DSG030N06N	TO-220	N	175	60	±20	2.6	3	3	4197	74	19
	DSE028N06N	TO-263	N	175	60	±20	2.3	2.8	3	4197	74	19
N60V Trench	DH026N06	TO-220	N	238	60	±20	2.6	3.4	3	7700	155	45
	DH026N06E	TO-263	N	238	60	±20	2.6	3.4	3	7700	155	45
	DH045N06P	DFN5*6	N	115	60	±20	4.1	5.3	3	4800	80	21
	DH045N06	TO-220	N	145	60	±20	4.3	5.3	3	4800	80	21

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Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N60V Trench	DH045N06D	TO-252	N	145	60	±20	4.3	5.3	3	4800	80	21
	DH045N06E	TO-263	N	145	60	±20	4.3	5.3	3	4800	80	21
	DH065N06P	DFN5*6	N	80	60	±20	4.3	5.8	3	3700	77	24
	DH065N06	TO-220	N	120	60	±20	5.2	6.2	3	3700	77	24
	DH065N06D	TO-252	N	120	60	±20	5.2	6.2	3	3700	77	24
	DH065N06E	TO-263	N	120	60	±20	5	6	3	3700	77	24
	DATP057N06N	DFN5*6	N	70	60	±20	5.3	5.7	3	2983	63	22
	DATD063N06N	TO-252	N	80	60	±20	5.7	6.3	3	2983	63	22
	DATG063N06N	TO-220	N	80	60	±20	5.7	6.3	3	2983	63	22
	DATE063N06N	TO-263	N	80	60	±20	5.5	6.3	3	2983	63	22
	DH066N06P	DFN5*6	N	88	60	±20	4.6	6	3	3000	77	24
	DH066N06	TO-220	N	110	60	±20	5.7	6.5	3	3000	77	24
	DH066N06B	TO-251	N	110	60	±20	5.7	6.5	3	3000	77	24
	DH066N06D	TO-252	N	110	60	±20	5.7	6.5	3	3000	77	24
	DH066N06E	TO-263	N	110	60	±20	5.5	6.5	3	3000	77	24
	DH132N06	TO-220	N	60	60	±20	10.3	12	3	1796	33	9
	DH132N06E	TO-263	N	60	60	±20	10	12	3	1796	33	9
	DHF60N06	TO-220F	N	33	60	±20	10.3	12	3	1796	33	9
	DH132N06D	TO-252	N	60	60	±20	10	12	3	1796	33	9
	DH132N06P	DFN5*6	N	50	60	±20	10	12	3	1796	33	9
	DTPD132N06N	DFN5*6-Dual	N+N	38	60	±20	10.8	12	3	1796	33	9
N68V SGT	DHS012N06U	TOLL	N	295	68	±20	1.43	1.65	3	7370	116	22
	DHS012N06	TO-220	N	180	68	±20	2.2	2.64	3	7370	116	22
	DHS012N06E	TO-263	N	180	68	±20	1.9	2.4	3	7370	116	22
	DHS031N07P	DFN5*6	N	100	68	±20	2.9	3.4	3	3890	62	11
	DHS031N07D	TO-252	N	120	68	±20	2.9	3.5	3	3890	62	11
	DHS031N07B	TO-251	N	120	68	±20	2.9	3.5	3	3890	62	11

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Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N68V SGT	DHS031N07E	TO-263	N	180	68	±20	2.7	3.3	3	3890	62	11
	DHS031N07	TO-220	N	180	68	±20	3.1	3.7	3	3890	62	11
	DHS031N07N	TO-3PN	N	180	68	±20	3.1	3.6	3	3890	62	11
	DHS043N07P	DFN5*6	N	100	68	±20	4	5	3	2378	33	6
	DHS130N06	TO-220	N	130	70	±20	4.9	5.5	3	2378	33	6
	DHS130N06E	TO-263	N	130	70	±20	4.6	5.2	3	2378	33	6
	DHS130N06D	TO-252	N	120	70	±20	4.9	5.5	3	2378	33	6
	DHS130N06B	TO-251	N	120	70	±20	4.9	5.5	3	2378	33	6
N68V Trench	DH100N06	TO-220	N	105	68	±20	5.7	6.7	3	4092	85	27
	DH100N06E	TO-263	N	107	68	±20	5.5	6.5	3	4092	85	27
	DHD070N06	TO-252	N	88	68	±20	6.3	7.5	3	4100	86	26.4
	DH070N06	TO-220	N	88	68	±20	6.3	7.5	3	4100	86	26.4
	DHE070N06	TO-263	N	88	68	±20	5.7	7.5	3	4100	86	26.4
	DH070N07	TO-220	N	100	68	±20	6.5	7.5	3	3475	69	21
	DH070N07F	TO-220F	N	50	68	±20	6.3	7.3	3	3475	69	21
	DH070N07D	TO-252	N	95	68	±20	6	7	3	3475	69	21
	DH070N07E	TO-263	N	100	68	±20	6.3	7.5	3	3475	69	21
	DH072N07	TO-220	N	80	68	±20	7.5	8.5	3	3306	70	22
	DH072N07E	TO-263	N	80	68	±20	7.5	8.5	3	3306	70	22
	DH072N07D	TO-252	N	80	68	±20	7.5	8.5	3	3306	70	22
	DTD080N07N	TO-252	N	80	68	±20	7.2	8	3	2859	59	19
	DTG080N07N	TO-220	N	80	68	±20	7.2	8	3	2859	59	19
	DTE080N07N	TO-220	N	80	68	±20	7	8	3	2859	59	19
	DTP080N07N	DFN5*6	N	64	68	±20	7	8	3	2859	59	19
	DH105N07P	DFN5*6	N	56	68	±20	10	12	3	2160	46	14
	DH105N07	TO-220	N	65	68	±20	10.5	12.5	3	2160	46	14
	DH105N07B	TO-251	N	65	68	±20	10.5	12.5	3	2160	46	14

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Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N68V Trench	DH105N07D	TO-252	N	65	68	±20	10	12	3	2160	46	14
	DHF50N06	TO-220F	N	65	68	±20	10.5	12.5	3	2160	46	14
	DTPQ240N06L	DFN5*6-Dual	N+N	25	68	±20	25	30	1.5	1260	30	7
	DH240N06LV	SOP-8	N	6	68	±20	30	38	1.5	1260	30	7
	DH240N06LB	TO-251	N	33	68	±20	24	30	1.5	1260	30	7
	DH240N06LD	TO-252	N	33	68	±20	24	30	1.5	1260	30	7
	DH240N06L	TO-220	N	33	68	±20	24	30	1.5	1260	30	7
	DH240N06LF	TO-220F	N	33	68	±20	24	30	1.5	1260	30	7
	DH240N06LE	TO-263	N	33	68	±20	24	30	1.5	1260	30	7
N80V SGT	DSU009N08N3A	TOLL	N	360	85	±20	0.9	1.1	3	16105	210	37
	DSE018N08N3A	TO-263	N	180	85	±20	1.4	1.8	3	16105	210	37
	DSG020N08N3A	TO-220	N	180	85	±20	1.6	2	3	16105	210	37
	DHS020N88U	TOLL	N	285	85	±20	1.4	1.8	3	14489	185	47
	DHS020N88E	TO-263	N	180	85	±20	1.6	2	3	14489	185	47
	DHS020N88	TO-220	N	180	85	±20	1.9	2.3	3	14489	185	47
	DHS020N88I	TO-262	N	180	85	±20	1.9	2.3	3	14489	185	47
	DHS020N88D	TO-3PN	N	240	85	±20	1.9	2.3	3	14489	185	47
	DHS035N88E	TO-263	N	175	85	±20	3.3	3.9	3	7681	102	16
	DHS035N88I	TO-262	N	175	85	±20	3.6	4.2	3	7681	102	16
	DHS035N88	TO-220	N	175	85	±20	3.55	4.2	3	7681	102	16
	DSP032N08NA	DFN5*6-Clip	N	170	85	±20	2.4	2.9	3	5621	85	18
	DSG041N08NA	TO-220	N	180	85	±20	3.36	4.1	3	5621	85	18
	DSE038N08N3A	TO-263	N	180	85	±20	3.2	3.84	3	5621	85	18
	DSD040N08N3A	TO-252	N	180	85	±20	3.4	4	3	5621	85	18
	DSU035N08N3A	TOLL	N	195	85	±20	3.1	3.6	3	5621	85	18
	DSE047N08N3	TO-263	N	120	80	±20	3.7	4.3	3	3270	51	13
	DSG047N08N3	TO-220	N	120	80	±20	3.9	4.5	3	3270	51	13

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Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N80V SGT	DSP037N08N3	DFN5*6	N	100	80	±20	3.4	3.9	3	3402	64	21
	DSG048N08N3	TO-220	N	120	85	±20	4.1	4.8	3	4391	56	7.4
	DSP040N08N3	DFN5*6	N	100	85	±20	3.7	4.3	3	4391	56	7.4
	DSG027N08N3	TO-220	N	180	85	±20	2.3	2.7	3	8727	109	16
	DSE025N08N3	TO-263	N	180	85	±20	2.1	2.5	3	8727	109	16
	DHS045N85I	TO-262	N	120	85	±20	4.9	5.5	3	3958	50	6.8
	DHS045N85E	TO-263	N	120	85	±20	4.7	5.5	3	3958	50	6.8
	DHS045N85	TO-220	N	120	85	±20	4.9	5.5	3	3958	50	6.8
	DHS045N85D	TO-252	N	120	85	±20	5	6	3	3958	50	6.8
	DHS042N85P	DFN5*6	N	108	85	±20	4.5	5.2	3	3958	50	6.8
	DSG053N08N3	TO-220	N	120	85	±20	4.8	5.3	3	3656	48	8
	DSE051N08N3	TO-263	N	120	85	±20	4.4	5.1	3	3656	48	8
	DSP048N08N3	DFN5*6	N	100	85	±20	4.3	5	3	3656	48	8
	DHS056N85	TO-220	N	120	85	±20	5.7	6.5	3	3357	50	10
	DHS056N85F	TO-220F	N	120	85	±20	5.7	6.5	3	3357	50	10
	DHS056N85D	TO-252	N	120	85	±20	5.7	6.5	3	3357	50	10
	DHS056N85I	TO-262	N	120	85	±20	5.7	6.5	3	3357	50	10
	DHS056N85E	TO-263	N	120	85	±20	5.7	6.5	3	3357	50	10
	DHS056N85P	DFN5*6	N	95	85	±20	5.3	6.5	3	4127	58	11
	DHS065N85P	DFN5*6	N	80	85	±20	5.84	7.3	3	3149	47	7
	DHS065N85E	TO-263	N	100	85	±20	6.5	7.8	3	3149	47	7
	DHS065N85	TO-220	N	100	85	±20	6.5	7.8	3	3149	47	7
N80V Trench	DH025N08	TO-220	N	215	80	±20	2.9	3.4	3	17292	326	94
	DH036N08	TO-220	N	165	80	±20	4	4.7	3	10240	187	54
	DH050N85	TO-220	N	130	80	±20	5	6	3	9200	172	50
	DH050N85E	TO-263	N	130	80	±20	5	6	3	9200	172	50
	DH050N85I	TO-262	N	130	80	±20	5	6	3	9200	172	50

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Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N80V Trench	DH060N08	TO-220	N	81	80	±20	6	7.2	3	7500	120	38
	DHD80N08	TO-252	N	90	80	±20	6.5	8	3	5639	111	33
	DH80N08	TO-220	N	90	80	±20	6.5	8	3	5639	111	33
	ID7509	TO-262	N	90	80	±20	6.5	8	3	5639	111	33
	DHE80N08	TO-263	N	90	80	±20	6.5	8	3	5639	111	33
	DH075N08D	TO-252	N	85	80	±20	7.5	8.5	3	5000	97	28
	DH075N08	TO-220	N	95	80	±20	7.5	8.5	3	5000	97	28
	DH075N08E	TO-263	N	95	80	±20	7.1	8.1	3	5000	97	28
	DH075N08P	DFN5*6	N	76	80	±20	7	8	3	5000	97	28
	DH116N08D	TO-252	N	49	80	±20	11.6	14.5	3	3500	75	23
	DH116N08	TO-220	N	49	80	±20	11.6	14.5	3	3500	75	23
	DH300N08D	TO-252	N	19	80	±20	33	45	1.5	1600	35	8
N100V SGT	DSU018N11NA	TOLL	N	320	110	±20	1.5	1.9	3.1	14274	189	36
	DSU014N10N3A	TOLL	N	373	100	±20	1.2	1.4	3	10802	177	44
	DSUT014N10N3A	TOLT	N	373	100	±20	1.3	1.45	3	10802	177	44
	DSG024N10N3	TO-220	N	240	100	±20	1.9	2.4	3	10802	177	44
	DSE022N10N3	TO-263	N	240	100	±20	1.7	2.2	3	10802	177	44
	DSN022N10N3	TO-3PN	N	240	100	±20	2	2.5	3	10802	177	44
	DSEQ018N10N3	TO-263-6L	N	240	100	±20	1.4	1.75	3	10802	177	44
	DSE026N10NA	TO-263	N	180	100	±20	2.25	2.6	3	16263	247	62
	DSG028N10NA	TO-220	N	180	100	±20	2.4	2.8	3	16263	247	62
	DSU021N10NA	TOLL	N	300	100	±20	1.63	1.9	3	16571	255	60
	DHS025N10U	TOLL	N	250	100	±20	2.24	2.8	3	12711	162	19
	DHS025N10E	TO-263	N	180	100	±20	2.8	3.6	3	14475	205	37
	DHS025N10D	TO-3PN	N	180	100	±20	2.8	3.6	3	14475	205	37
	DHS025N10	TO-220	N	180	100	±20	2.8	3.6	3	14475	205	37
	DHS025N10I	TO-262	N	180	100	±20	2.8	3.6	3	14475	205	37

LV.MV.MOSFET

Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N100V SGT	DSU023N10N3	TOLL	N	281	100	±20	2	2.3	3	12750	160	24.3
	DSE028N10N3	TO-263	N	170	100	±20	2.4	2.8	3	12250	170	32
	DSG030N10N3	TO-220	N	170	100	±20	2.6	3	3	12250	170	32
	DSE026N10N3A	TO-263	N	180	100	±20	2.2	2.64	3	7035	107	27
	DSG031N10N3	TO-220	N	180	100	±20	2.6	3.1	3	7035	107	27
	DSU024N10N3A	TOLL	N	272	100	±20	1.8	2.16	3	7035	107	27
	DSP031N10N3A	DFN5*6-Clip	N	195	100	±20	2.4	2.8	3	4532	81	23
	DSP036N10N3A	DFN5*6	N	100	100	±20	3	3.6	3	4532	81	23
	DSE037N10N3A	TO-263	N	180	100	±20	3.2	3.7	3	4532	81	23
	DSG040N10N3A	TO-220	N	180	100	±20	3.5	4	3	4532	81	23
	DSK030N10N3A	sTOLL	N	200	100	±20	2.5	3.1	3	4532	81	23
	DSU035N10N3A	TOLL	N	190	100	±20	2.9	3.5	3	4532	81	23
	DHS035N10	TO-220	N	180	100	±20	3.2	3.8	3	8739	143	36
	DHS035N10E	TO-263	N	180	100	±20	3	3.6	3	8739	143	36
	DSG054N10N3	TO-220	N	140	100	±20	4.8	5.6	2.7	4912	76	16
	DSE054N10N3	TO-263	N	140	100	±20	4.6	5.4	2.7	4912	76	16
	DSD054N10N3	TO-252	N	120	100	±20	4.8	5.6	3	4912	76	16
	DSC052N10N3	TO-247	N	130	100	±20	4.9	5.6	3	4912	76	16
	DSG055N10N3	TO-220	N	118	100	±20	5	5.7	3	4015	58	11
	DSE055N10N3	TO-263	N	118	100	±20	4.8	5.5	3	4015	58	11
	DSP070N10L3A	DFN5*6	N	95	100	±20	5.2	6.2	1.7	2690	50	12
	DSG070N10L3	TO-220	N	100	100	±20	5.9	7	1.7	2690	50	12
	DSE065N10L3A	TO-263	N	103	100	±20	5.6	6.5	1.7	2690	50	12
	DSD065N10L3A	TO-252	N	100	100	±20	5.5	6.5	1.7	2690	50	12
	DSD090N10L3A	TO-252	N	68	100	±20	8	9.5	1.7	1700	31	7
	DSG090N10L3A	TO-220	N	70	100	±20	8.3	9.5	1.7	1700	31	7
	DSP100N10L3A	DFN5*6	N	56	100	±20	8.3	9.5	1.7	1700	31	7

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Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N100V SGT	DSD150N10L3	TO-252	N	60	100	±20	12	14.5	2	2320	37	7
	DSB150N10L3	TO-251	N	60	100	±20	12	14.5	2	2320	37	7
	DSG150N10L3	TO-220	N	60	100	±20	12.5	14.5	2	2320	37	7
	DSR150N10L3	DFN3*3	N	40	100	±20	13	15	2	2320	37	7
	DSPQ150N10L3	DFN5*6-Dual	N+N	42	100	±20	15	18	2	2320	37	7
	DHS160N100	TO-220	N	47	100	±20	18	25	2.5	1221	17	2.3
	DHS160N100E	TO-263	N	47	100	±20	18	25	2.5	1221	17	2.3
	DHS160N100F	TO-220F	N		100	±20	18	25	2.5	1221	17	2.3
	DHS160N100B	TO-251	N	45	100	±20	18	25	2.5	1221	17	2.3
	DHS160N100D	TO-252	N	45	100	±20	18	25	2.5	1221	17	2.3
	DHS160N100I	TO-262	N	47	100	±20	18	25	2.5	1221	17	2.3
	DHS180N10LE	TO-263	N	47	100	±20	18	22	1.5	1322	17	2.3
	DHS180N10L	TO-220	N	47	100	±20	18	22	1.5	1322	17	2.3
	DHS180N10LF	TO-220F	N	47	100	±20	18	22	1.5	1322	17	2.3
	DHS180N10LB	TO-251	N	47	100	±20	18	22	1.5	1322	17	2.3
	DHS180N10LD	TO-252	N	47	100	±20	18	22	1.5	1322	17	2.3
	DHS250N10R	DFN3*3	N	16	100	±20	25	30	3	967	14	1.7
	DHS250N10	TO-220	N	25	100	±20	25	30	3	967	12	1.7
	DHS250N11D	TO-252	N	25	110	±20	25	30	3	967	12	1.7
	DHS250N10D	TO-252	N	25	100	±20	25	30	3	967	12	1.7
	DHS250N10LD	TO-252	N	20	100	±20	25	30	1.6	967	14	1.7
	DHS400N10D	TO-252	N	20	100	±20	45	53	3	592	8	1.1
	DHS400N10P	DFN5*6	N	17	100	±20	50	60	3	592	8	1.1
N100V Trench	DH060N10	TO-220	N	137	100	±20	6	7	3	10991	196	51
	DH060N10E	TO-263	N	137	100	±20	5.8	6.8	3	10991	196	51
	DH140N10D	TO-252	N	68	100	±20	12	15	3	5700	110	30
	DH140N10B	TO-251	N	68	100	±20	12	15	3	5700	110	30

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Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N100V Trench	DH140N10	TO-220	N	68	100	±20	12	15	3	5700	110	30
	ED70N10	TO-263	N	68	100	±20	12	15	3	5700	110	30
	DH135N10P	DFN5*6	N	47	100	±20	13	15.6	3	5000	96	25
	DH135N10D	TO-252	N	59	100	±20	13	17	3	5000	96	25
	DH135N10	TO-220	N	59	100	±20	13	17	3	5000	96	25
	DH450N10D	TO-252	N	22	100	±20	45	54	1.4	1932	40	6.4
	DH850N10B	TO-251	N	12	100	±20	86	110	1.4	966	21.5	3.2
	DH850N10D	TO-252	N	12	100	±20	86	110	1.4	966	21.5	3.2
	DH1K1N10S	SOT-223	N	4	100	±20	120	140	1.5	560	12	2.75
	DH1K1N10T	SOT-23	N	4	100	±20	120	140	1.5	560	12	2.75
	DH1K1N10B	TO-251	N	12	100	±20	112	140	1.5	560	12	2.75
	DH1K1N10D	TO-252	N	12	100	±20	112	140	1.5	560	12	2.75
	DHS044N12U	TOLL	N	270	120	±20	2.65	3.18	3	8592	105	21
	DHS044N12E	TO-263	N	160	120	±20	3.4	4.1	3	8931	106	15.1
	DHS044N12	TO-220	N	160	120	±20	3.65	4.4	3	8931	106	15.1
	DHS044N12C	TO-247	N	180	120	±20	3.2	4	3	8931	106	15.1
	DSD140N12N3	TO-252	N	63	120	±20	12.5	14.5	3	1901	26	4.7
	DSE140N12N3	TO-263	N	70	120	±20	12	14	3	1901	26	4.7
	DSG140N12N3	TO-220	N	70	120	±20	12	14	3	1901	26	4.7
	DSG270N12N3	TO-220	N	36	120	±20	25	30	3	950	15	3.3
	DSE270N12N3	TO-263	N	36	120	±20	25	30	3	950	15	3.3
	DSD270N12N3	TO-252	N	35	120	±20	23	27	3	950	15	3.3
N120V Trench	DH150N12	TO-220	N	50	120	±20	15	20	3	6130	125	33
	DH150N12D	TO-252	N	50	120	±20	15	20	3	6130	125	33
N135V SGT	DSG045N14N	TO-220	N	180	135	±20	3.9	4.5	3	7462	108	23
	DSE043N14N	TO-263	N	180	135	±20	3.7	4.3	3	7462	108	23
	DSU035N14N3	TOLL	N	225	135	±20	3.3	3.9	3	7462	108	23

LV.MV.MOSFET

Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N150V SGT	DSE068N15NA	TO-263	N	140	150	±20	5.7	6.8	3	3947	57	15
	DSG070N15NA	TO-220	N	140	150	±20	5.9	7	3	3947	57	15
	DSU060N15NA	TOLL	N	165	150	±20	5	5.7	3.1	3947	57	15
	DSC050N15NA	TO-247	N	180	150	±20	4.6	5.3	3	9850	123	26
	DSN050N15N	TO-3PN	N	160	150	±20	4.8	5.8	3	9850	108	19
	DSU047N15NA	TOLL	N	175	150	±20	4.1	4.7	3	9850	108	19
	DHS042N15	TO-220	N	150	150	±20	5	5.9	3	9850	124	22
	DHS042N15E	TO-263	N	150	150	±20	4.8	5.6	3	9850	108	19
	DSG092N15N3A	TO-220	N	115	150	±20	8	9	3	4540	75	20
	DSE090N15N3A	TO-263	N	115	150	±20	7.7	8.7	3	4540	75	20
	DSD100N15N3	TO-252	N	88	150	±20	10.5	12	3.3	3564	50	9.8
	DSG100N15N3	TO-220	N	95	150	±20	10.7	12	3.3	3564	50	9.8
	DSE100N15N3	TO-263	N	95	150	±20	10.5	12	3.3	3564	50	9.8
	DSP190N15N3A	DFN5*6	N	50	150	±20	15	18	3.3	1353	21	4.8
	DSG190N15N3A	TO-220	N	60	150	±20	16	19	3.3	1353	21	4.8
	DSE190N15N3A	TO-263	N	60	150	±20	16	19	3.3	1353	21	4.8
	DSD190N15N3A	TO-252	N	60	150	±20	16	19	3.3	1353	21	4.8
	DSP300N15N3A	DFN5*6	N	35	150	±20	26	31	3.3	820	15	3.8
	DSD300N15N3A	TO-252	N	42	150	±20	26	31	3.3	820	15	3.8
	DSG300N15N3A	TO-220	N	44	150	±20	26	31	3.3	820	15	3.8
	DSE300N15N3A	TO-263	N	44	150	±20	26	31	3.3	820	15	3.8
	DSD600N15N3A	TO-252	N	22	150	±20	53	60	3.5	412	7	1.6
	DSR600N15N3A	DFN3*3	N	16	150	±20	51	60	3.3	412	7	1.6
N200V SGT	DSG108N20NA	TO-220	N	110	200	±20	11	13	3.5	4217	57	9
	DSE108N20NA	TO-263	N	110	200	±20	11	13	3.5	4217	57	9
	DSC108N20NA	TO-247PLUS-4L	N	120	200	±20	10.5	12.5	3.5	4217	57	9
	DSN108N20N	TO-3PN	N	110	200	±20	11	13	3.5	4217	57	9

LV.MV.MOSFET

Product information				Parameter information								
Platform	Part No.	Package	Technology	ID (A)	BVDSS (V)	BVGSS (V)	Rdson (mΩ)		Vth (V)	Ciss (pF)	Qg (nC)	Qgd (nC)
				Max	Min	Max	Typ	Max	Typ	Typ	Typ	Typ
N200V SGT	DSG400N20N3A	TO-220	N	41	200	±20	36	42	3.4	1327	19	3.6
	DSE400N20N3A	TO-263	N	41	200	±20	36	42	3.4	1327	19	3.6
	DSD400N20N3A	TO-252	N	40	200	±20	36	42	3.4	1327	19	3.6
	DSB400N20N3A	TO-251	N	40	200	±20	36	42	3.4	1327	19	3.6
N200V Plannar	DH30N20	TO-220	N	30	200	±30	70	80	3	1945	38	13
	640	TO-220	N	18	200	±30	120	180	3	1136	20.4	7.3
	F640	TO-220F	N	18	200	±30	120	180	3	1136	20.4	7.3
	D18N20	TO-252	N	18	200	±30	120	180	3	1136	20.4	7.3
	F18N20	TO-220F	N	18	200	±30	120	180	3	1136	20.4	7.3
	F630	TO-220F	N	9	200	±30	230	280	3	600	13	4.5
	D630	TO-252	N	9	200	±30	220	300	3	565	16.5	3.9
	DHP5N20	DFN5*6	N	4.5	200	±30	450	550	3	255	7	3
	B620	TO-251	N	5	200	±30	490	650	3	255	7	3
	D620	TO-252	N	5	200	±30	490	650	3	255	7	3
	B5N20	TO-251	N	5	200	±30	490	650	3	255	7	3
	D5N20	TO-252	N	5	200	±30	490	650	3	255	7	3
N250V SGT	DSD600N25NA	TO-252	N	27	250	±20	61	70	3.5	1294	19	4
	DSG600N25NA	TO-220	N	29	250	±20	61	70	3.5	1294	19	4
	DSE600N25NA	TO-263	N	29	250	±20	61	70	3.5	1294	19	4
N30V+ N30V Trench	DH7934R	DFN3*3-HB	N+N	15	30	±20	9.8	10.8	1.5	755	15	4.3
				16	30	±20	8.5	9.5	1.5	848	20	4.9
N30V+ N30V Trench	DH7935R	DFN3*3-HB	N+N	24	30	±20	10	12	1.5	755	15	4.3
				24	30	±20	6.8	7.5	1.5	1125	25.9	6.1
N60V+ N60V Trench	DH3260V	SOP-8-Dual	N+N	6	60	±20	28	35	1.5	1000	22.4	6.9
				6	60	±20	28	35	1.5	1000	22.4	6.9
N60V+ P60V Trench	DH3278V	SOP-8-Dual	N+P	6	60	±20	28	35	1.5	1000	22.4	6.9
				-4.5	-60	±20	58	70	-1.5	1528	28.2	3.8
P60V+ P60V Trench	DH7860V	SOP-8-Dual	P+P	-4.5	-60	±20	58	70	-1.5	1528	28.2	3.8
				-4.5	-60	±20	58	70	-1.5	1528	28.2	3.8

HV.SJ.MOSFET

Product information				Parameter information										
Platform	Product Name	Package	Polarity	ID (A)	BVDSS (V)	BVGSS (V)	VTH (V)		Rdson (mΩ)		EAS (mj)	Ciss [pF]	Crss [pF]	Crss [pF]	Qgd [nC]
				Max	Min	Max	Typ	Max	Typ	Max	Max	Typ	Typ	Typ	Typ
500V SJ	DSJ2N50	TO-252	N	2	500	±30	2.5	4	1300	1500	12	174	1.5	5.3	2.7
600V SJ	DJC099N60F	TO-247	N	30.7	600	±20	2.5	4.5	86	99	588	3307	3.3	77	23
	DJF099N60F	TO-220F	N	30.7	600	±20	2.5	4.5	86	99	588	3307	3.3	77	23
	DJC070N60F	TO-247	N	42	600	±20	2.5	5	61	70	810	4670	3.5	105	30
	DJC040N60F	TO-247	N	69	600	±20	2.5	5	35	40	1150	8170	4.4	185	49
	DJC032N60F	TO-247	N	83	600	±30	3	4.5	28	32	1205	5800	14.3	200	126
	DJC022N60F	TO-247	N	112	600	±30	2.5	4.5	18	22	1080	10775	93	241	93
650V SJ	DHBSJ5N65	TO-251	N	4.8	650	±20	2	4	870	1000	43	390	2.1	9.3	3
	DHDSJ5N65	TO-252	N	4.8	650	±20	2	4	870	1000	43	390	2.1	9.3	3
	DHSJ5N65	TO-220	N	5	650	±20	2	4	870	1000	43	390	2.1	9.3	3
	DHESJ5N65	TO-263	N	5	650	±20	2	4	870	1000	43	390	2.1	9.3	3
	DHFSJ5N65	TO-220F	N	4.8	650	±20	2	4	870	1000	43	390	2.1	9.3	3
	DHBSJ7N65	TO-251	N	7	650	±30	2.5	4	560	620	162	587	4	14.5	5.2
	DHDSJ7N65	TO-252	N	7	650	±30	2.5	4	560	620	162	587	4	14.5	5.2
	DHSJ7N65	TO-220	N	7	650	±30	2.5	4	560	620	162	587	4	14.5	5.2
	DHESJ7N65	TO-263	N	7	650	±30	2.5	4	560	620	162	587	4	14.5	5.2
	DHFSJ7N65	TO-220F	N	7	650	±30	2.5	4	560	620	162	587	4	14.5	5.2
	DHBSJ8N65	TO-251	N	7.6	650	±30	2	4	480	550	91	680	2.9	16	5.2
	DHDSJ8N65	TO-252	N	7.6	650	±30	2	4	480	550	91	680	2.9	16	5.2
	DHSJ8N65	TO-220	N	7.6	650	±30	2	4	480	550	91	680	2.9	16	5.2
	DHESJ8N65	TO-263	N	7.6	650	±30	2	4	480	550	91	680	2.9	16	5.2
	DHFSJ8N65	TO-220F	N	7.6	650	±30	2	4	480	550	91	680	2.9	16	5.2
	DHBSJ11N65	TO-251	N	10.5	650	±30	2.5	4	330	380	280	1030	4.5	23	8
	DHDSJ11N65	TO-252	N	10.5	650	±30	2.5	4	330	380	280	1030	4.5	23	8
	DHFSJ11N65	TO-220F	N	11	650	±30	2.5	4	330	380	280	1030	4.5	23	8
	DHSJ11N65	TO-220	N	11	650	±30	2.5	4	330	380	280	1030	4.5	23	8
	DHESJ11N65	TO-263	N	11	650	±30	2.5	4	330	380	280	1030	4.5	23	8
	DJD380N65T	TO-252	N	10.6	650	±20	2	4	340	380	100	915	26.7	19.6	5.91
	DJG380N65T	TO-220	N	10.6	650	±20	2	4	340	380	100	915	26.7	19.6	5.91
	DJE380N65T	TO-263	N	10.6	650	±20	2	4	340	380	100	915	26.7	19.6	5.91
	DJF380N65T	TO-220F	N	10.6	650	±20	2	4	330	380	112	860	3.42	19.4	5.7
	DHDSJ13N65	TO-252	N	12.6	650	±20	2	4	280	320	165	1150	3.3	27	8
	DHSJ13N65	TO-220	N	12.6	650	±20	2	4	280	320	165	1150	3.3	27	8

HV.SJ.MOSFET

Product information				Parameter information										
Platform	Product Name	Package	Polarity	ID (A)	BVDSS (V)	BVGSS (V)	VTH (V)		Rdson (mΩ)		EAS (mj)	Ciss [pF]	Crss [pF]	Crss [pF]	Qgd [nC]
				Max	Min	Max	Typ	Max	Typ	Max	Max	Typ	Typ	Typ	Typ
	DHESJ13N65	TO-263	N	12.6	650	±20	2	4	280	320	165	1150	3.3	27	8
650V SJ	DHFSJ13N65	TO-220F	N	12.6	650	±20	2	4	280	320	165	1150	3.3	27	8
	DHBSJ15N65	TO-251	N	15	650	±30	2.5	3.9	260	300	120	760	28	23.8	10.1
	DHDSJ15N65	TO-252	N	15	650	±30	2.5	3.9	260	300	120	760	28	23.8	10.1
	DHSJ15N65	TO-220	N	15	650	±30	2.5	3.9	260	300	120	760	28	23.8	10.1
	DHFSJ15N65	TO-220F	N	15	650	±30	2.5	3.9	260	300	120	760	28	23.8	10.1
	DHSJ17N65	TO-220	N	17	650	±20	2	4	180	210	250	1750	3.4	40	12
700V SJ	DHFSJ17N65	TO-220F	N	17	650	±20	2	4	180	210	250	1750	3.4	40	12
	DHSJ21N65	TO-220	N	21	650	±20	2	4	145	165	316	2180	3.5	50	14
	DJJ165N65	TO-262	N	21	650	±20	2	4	145	165	316	2180	3.5	50	14
	DHESJ21N65	TO-263	N	21	650	±20	2	4	145	165	316	2180	3.5	50	14
	DHFSJ21N65	TO-220F	N	21	650	±20	2	4	145	165	316	2180	3.5	50	14
	DHSJ21N65W	TO-247	N	21	650	±20	2	4	145	165	316	2180	3.5	50	14
	DHSJ21N65Z	PDFN4(8*8)	N	16	650	±30	3	4	150	190	210	1375	0.49	40.6	16.8
	DHSJ25N65F	TO-220	N	25	650	±20	2.5	4.5	110	125	455	2840	3.8	65	20
	DHSJ25N65	TO-220	N	25	650	±20	2	4	115	130	454	2840	3.8	65	19
	DHFSJ25N65	TO-220F	N	25	650	±20	2	4	115	130	454	2840	3.8	65	19
	DHSJ25N65W	TO-247	N	25	650	±20	2	4	115	130	454	2840	3.8	65	19
	DJC099N65F	TO-247	N	30.7	650	±20	2.5	4.5	86	99	588	3307	3.3	77	23
	DJF099N65F	TO-220F	N	30.7	650	±20	2.5	4.5	86	99	588	3307	3.3	77	23
	DJC070N65M2	TO-247	N	70	650	±30	2.5	4.5	63	70	2200	4404	2.3	94	34
	DJN070N65M2	TO-3PN	N	70	650	±30	2.5	4.5	63	70	2200	4404	2.3	94	34
	DJC045N65F	TO-247	N	65	650	±20	2.5	5	39	45	1088	8170	7.0	185	49
	DJC030N65T	TO-247	N	100	650	±30	2.5	3.5	23	30	4000	11802	7	197	52
	DJC030N65TF	TO-247	N	100	650	±30	3	5	23	30	4000	11802	7	197	52
	DHDSJ8N70	TO-252	N	7.3	700	±20	2	4	520	600	79	680	3.1	16	5.2
	DHFSJ8N70	TO-220F	N	7.3	700	±20	2	4	520	600	79	680	3.1	16	5.2
	DJD420N70T	TO-252	N	10.6	700	±20	2	4	340	420	200	915	26.7	19.6	5.91
	DJF420N70T	TO-220F	N	10.6	700	±20	2	4	340	420	200	915	26.7	19.6	5.91
	DJF360N70	TO-220F	N	12	700	±20	2	4	320	360	147	1178	3.0	27	8
	DHFSJ12N70	TO-220F	N	11.6	700	±20	2	4	320	360	147	1175	3.1	27	8
800V SJ	DJG850N80	TO-220	N	6.6	800	±20	2	4	750	850	84	635	2.5	13.8	4.1
	DJE850N80	TO-263	N	6.6	800	±20	2	4	750	850	84	635	2.5	13.8	4.1
	DJF380N80	TO-220F	N	13	800	±20	2	4	330	380	171	1250	3.4	29	8.9

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Product information				Parameter information						
Platform	Product Name	Package	Polarity	ID (A)	BVDSS (V)	BVGSS (V)	VTH (V)		Rdson (mΩ)	
				Max	Min	Max	Min	Max	Typ	Max
400V Planar	F10N40	TO-220F	N	10	400	±30	2.0	4.0	380	420
	10N40	TO-220	N	10	400	±30	2.0	4.0	380	420
500V Planar	D1N50	TO-252	N	1	500	±30	2.0	4.0	10500	12000
	1N50	TO-220	N	1	500	±30	2.0	4.0	10500	12000
	D2N50	TO-252	N	2	500	±30	2.0	4.0	6300	7000
	2N50	TO-220	N	2	500	±30	2.0	4.0	6300	7000
	D3N50	TO-252	N	3	500	±30	2.0	4.0	2900	3500
	3N50	TO-220	N	3	500	±30	2.0	4.0	2900	3500
	D4N50	TO-252	N	4	500	±30	2.0	4.0	2100	2500
	4N50	TO-220	N	4	500	±30	2.0	4.0	2100	2500
	D5N50	TO-252	N	5	500	±30	2.0	4.0	1300	1500
	F5N50	TO-220F	N	5	500	±30	2.0	4.0	1300	1500
	5N50	TO-220	N	5	500	±30	2.0	4.0	1300	1500
	D8N50	TO-252	N	8	500	±30	2.0	4.0	650	800
	F8N50	TO-220F	N	8	500	±30	2.0	4.0	650	800
	8N50	TO-220	N	8	500	±30	2.0	4.0	650	800
	10N50	TO-220F	N	12	500	±30	2.0	4.0	450	730
	10N50	TO-220	N	12	500	±30	2.0	4.0	450	730
	12N50	TO-220F	N	12	500	±30	2.0	4.0	400	630
	12N50	TO-220	N	12	500	±30	2.0	4.0	400	630
	13N50	TO-220F	N	13	500	±30	2.0	4.0	370	480
	13N50	TO-220	N	13	500	±30	2.0	4.0	370	480
	16N50	TO-220	N	15	500	±30	2.0	4.0	320	370
	F16N50	TO-220F	N	15	500	±30	2.0	4.0	320	370
	16N50D	TO-3PN	N	15	500	±30	2.0	4.0	320	370
	F18N50	TO-220F	N	16	500	±30	2.0	3.5	400	420
	18N50D	TO-3PN	N	16	500	±30	2.0	3.5	400	420

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Product information				Parameter information						
Platform	Product Name	Package	Polarity	ID (A)	BVDSS (V)	BVGSS (V)	VTH (V)		Rdson (mΩ)	
				Max	Min	Max	Min	Max	Typ	Max
500V Planar	F20N50	TO-220F	N	18	500	±30	2.0	4.0	270	320
	20N50D	TO-3PN	N	18	500	±30	2.0	4.0	270	320
	23N50D	TO-3PN	N	20	500	±30	2.0	4.0	220	290
	25N50D	TO-3PN	N	25	500	±30	2.0	4.0	210	260
	28N50D	TO-3PN	N	25	500	±30	2.0	3.0	150	200
600V Planar	D2N60	TO-252	N	2	600	±30	2.0	4.0	3200	3400
	F2N60	TO-220F	N	2	600	±30	2.0	4.0	3200	3400
	2N60	TO-220	N	2	600	±30	2.0	4.0	3200	3400
	D4N60	TO-252	N	4	600	±30	2.0	4.0	2050	2400
	F4N60	TO-220F	N	4	600	±30	2.0	4.0	2050	2400
	4N60	TO-220	N	4	600	±30	2.0	4.0	2050	2400
	D7N60	TO-252	N	7	600	±30	2.0	4.0	1000	1200
	F7N60	TO-220F	N	7	600	±30	2.0	4.0	1000	1200
	7N60	TO-220	N	7	600	±30	2.0	4.0	1000	1200
	10N60	TO-220	N	10	600	±30	2.0	4.0	670	750
	F10N60	TO-220F	N	10	600	±30	2.0	4.0	670	750
	12N60	TO-220	N	12	600	±30	2.0	4.0	550	600
	F12N60	TO-220F	N	12	600	±30	2.0	4.0	550	600
	16N60	TO-220	N	16	600	±30	2.0	4.0	420	440
	F16N60	TO-220F	N	16	600	±30	2.0	4.0	420	440
	F20N60	TO-220F	N	20	600	±30	2.0	4.0	380	430
	20N60D	TO-3PN	N	20	600	±30	2.0	4.0	380	430
	25N60D	TO-3PN	N	25	600	±30	2.0	4.0	310	360
	28N60D	TO-3PN	N	25	600	±30	2.0	3.5	180	220
650V Planar	D1N65	TO-252	N	1	650	±30	2.0	4.0	13500	15000
	1N65	TO-220	N	1	650	±30	2.0	4.0	13500	15000
	D2N65	TO-252	N	2	650	±30	2.0	4.0	3500	3900

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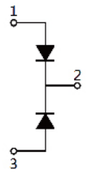
Product information				Parameter information						
Platform	Product Name	Package	Polarity	ID (A)	BVDSS (V)	BVGSS (V)	VTH (V)		Rdson (mΩ)	
				Max	Min	Max	Min	Max	Typ	Max
650V Planar	F2N65	TO-220F	N	2	650	±30	2.0	4.0	3500	3900
	2N65	TO-220	N	2	650	±30	2.0	4.0	3500	3900
	D4N65	TO-252	N	4	650	±30	2.0	4.0	2200	2700
	F4N65	TO-220F	N	4	650	±30	2.0	4.0	2200	2700
	4N65	TO-220	N	4	650	±30	2.0	4.0	2200	2700
	D7N65	TO-252	N	7	650	±30	2.0	4.0	1180	1350
	F7N65	TO-220F	N	7	650	±30	2.0	4.0	1180	1350
	7N65	TO-220	N	7	650	±30	2.0	4.0	1180	1350
	F10N65	TO-220F	N	10	650	±30	2.0	4.0	750	900
	10N65	TO-220	N	10	650	±30	2.0	4.0	750	900
	F12N65	TO-220F	N	12	650	±30	2.0	4.0	600	650
	12N65	TO-220	N	12	650	±30	2.0	4.0	600	650
	F16N65	TO-220F	N	16	650	±30	2.0	4.0	460	490
	16N65	TO-220	N	16	650	±30	2.0	4.0	460	490
	F20N65	TO-220F	N	20	650	±30	2.0	4.0	400	470
	20N65D	TO-3PN	N	20	650	±30	2.0	4.0	400	470
	25N65D	TO-3PN	N	25	650	±30	2.0	4.0	370	400
	28N65D	TO-3PN	N	25	650	±30	2.0	3.5	180	250
700V Planar	D4N70	TO-252	N	4	700	±30	2.0	4.0	2600	2800
	F4N70	TO-220F	N	4	700	±30	2.0	4.0	2600	2800
	4N70	TO-220	N	4	700	±30	2.0	4.0	2600	2800
	D7N70	TO-252	N	7	700	±30	2.0	4.0	1200	1380
	F7N70	TO-220F	N	7	700	±30	2.0	4.0	1200	1380
	7N70	TO-220	N	7	700	±30	2.0	4.0	1200	1380
	F10N70	TO-220F	N	10	700	±30	2.0	4.0	850	980
	10N70	TO-220	N	10	700	±30	2.0	4.0	850	980
	12N70	TO-220F	N	12	700	±30	2.0	4.0	670	800
	12N70	TO-220	N	12	700	±30	2.0	4.0	670	800
	16N70	TO-220F	N	16	700	±30	2.0	4.0	530	650

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Product information				Parameter information						
Platform	Product Name	Package	Polarity	ID (A)	BVDSS (V)	BVGSS (V)	VTH (V)		Rdson (mΩ)	
				Max	Min	Max	Min	Max	Typ	Max
700V Planar	16N70	TO-220	N	16	700	±30	2.0	4.0	530	650
	F20N70	TO-220F	N	20	700	±30	2.0	4.0	420	490
	20N70D	TO-3PN	N	20	700	±30	2.0	4.0	420	490
800V Planar	D4N80	TO-252	N	4	800	±30	2.0	4.0	3800	4000
	F4N80	TO-220F	N	4	800	±30	2.0	4.0	3800	4000
	4N80	TO-220	N	4	800	±30	2.0	4.0	3800	4000
	7N80	TO-220F	N	7	800	±30	2.0	4.0	1500	1800
	7N80	TO-220	N	7	800	±30	2.0	4.0	1500	1800
	10N80	TO-220F	N	10	800	±30	2.0	4.0	750	950
	10N80	TO-220	N	10	800	±30	2.0	4.0	750	950
	12N80	TO-220F	N	10	800	±30	2.0	4.0	710	900
	12N80	TO-220	N	10	800	±30	2.0	4.0	710	900
900V Planar	D3N90	TO-252	N	3	900	±30	2.0	4.0	4750	5200
	F3N90	TO-220F	N	3	900	±30	2.0	4.0	4750	5200
	3N90	TO-220	N	3	900	±30	2.0	4.0	4750	5200
	F4N90	TO-220F	N	3	900	±30	3	5	3300	3800
	4N90	TO-220	N	3	900	±30	3	5	3300	3800
	F6N90	TO-220F	N	6	900	±30	2.0	4.0	1600	2300
	6N90	TO-220	N	6	900	±30	2.0	4.0	1600	2300
	F9N90	TO-220F	N	9	900	±30	2.0	4.0	1000	1200
	9N90	TO-220	N	9	900	±30	2.0	4.0	1000	1200
	9N90D	TO-3PN	N	9	900	±30	2.0	4.0	1000	1200
1200V Planar	4N120F	TO-3PF	N	4	1200	±30	3	5	3420	4000
	4N120D	TO-3PN	N	4	1200	±30	3	5	3420	4000
	4N120	TO-220	N	4	1200	±30	3	5	3420	4000
	F4N120	TO-220F	N	4	1200	±30	3	5	3420	4000
1500V Planar	4N150F	TO-3PF	N	3	1500	±30	3	5	6100	7000
	4N150D	TO-3PN	N	3	1500	±30	3	5	6100	7000
	4N150	TO-220	N	3	1500	±30	3	5	6100	7000
	F4N150	TO-220F	N	3	1500	±30	3	5	6100	7000

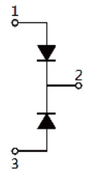
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Product information			Parameter information								
Sort	Product Name	Assembly	VBR (V)		IR(uA) 25℃	VF (V) 25℃		Trr (ns)		IF (A)	IF (A)	Circuit Diagram
			Min	Typ	Max	Typ	Max	Typ	Max	Single chip	Dual chip	
200V	MUR1220CT	TO-220	200	240	5.0	0.93	0.98	23	35	6.0	12.0	
	MUR1620CT	TO-220	200	240	5.0	0.93	0.98	22	35	8.0	16.0	
	MUR2020CT	TO-220	200	240	5.0	0.93	0.98	22	35	10.0	20.0	
	D92-02	TO-3P	200	260	5.0	0.91	1.00	19	35	10.0	20.0	
	D92-02B	TO-3P	200	240	5.0	0.88	1.00	21	35	10.0	20.0	
	D92-02A	TO-3P	200	240	5.0	0.83	1.00	23	35	10.0	20.0	
	MUR3020DCT	TO-3P	200	260	5.0	0.94	1.00	21	35	15.0	30.0	
	MUR4020DCT	TO-3P	200	240	5.0	0.95	1.00	25	35	20.0	40.0	
	MUR5020DCT	TO-3P	200	240	5.0	0.95	1.00	27	40	25.0	50.0	
	MUR6020DCT	TO-3P	200	240	5.0	0.95	1.00	26	40	30.0	60.0	
	MUR6020DCA	TO-3P	200	240	5.0	0.97	1.10	23	40	30.0	60.0	
	MUR7020DCT	TO-3P	200	240	5.0	0.95	1.00	27	40	35.0	70.0	
	MUR8020DCS	TO-3P	200	240	5.0	0.95	1.00	27	40	40.0	80.0	
	MUR80FU20DCT	TO-3P	200	240	5.0	0.93	1.00	29	40	40.0	80.0	
300V	MUR1630CT	TO-220	300	350	5.0	1.00	1.20	21	35	8.0	16.0	
	MUR2030DCT	TO-3P	300	350	5.0	0.99	1.20	25	35	10.0	20.0	
	MUR3030CT	TO-220	300	350	5.0	1.00	1.20	21	35	15.0	30.0	
	MUR4530DCT	TO-3P	300	350	5.0	0.99	1.20	28	35	22.5	45.0	
	MUR4530DCS	TO-3P	300	350	5.0	0.99	1.20	30	35	22.5	45.0	
	MUR5030DCT	TO-3P	300	350	5.0	0.98	1.20	30	40	25.0	50.0	
	MUR6030DCA	TO-3P	300	350	5.0	1.10	1.30	30	40	30.0	60.0	
	MUR6030DCS	TO-3P	300	350	5.0	1.00	1.20	31	40	30.0	60.0	
	MUR6030DCT	TO-3P	300	350	5.0	0.98	1.20	32	40	30.0	60.0	
	MUR7030DCT	TO-3P	300	350	5.0	1.00	1.20	35	50	35.0	70.0	
	MUR80FU30DCT	TO-3P	300	350	5.0	0.98	1.20	36	50	40.0	80.0	
	MUR9030DCS	TO-3P	300	350	5.0	1.05	1.20	36	50	45.0	90.0	
	MUR9030DCT	TO-3P	300	350	5.0	1.00	1.20	38	55	45.0	90.0	
400V	MUR840CT	TO-220	400	450	5.0	1.20	1.40	22	35	4.0	8.0	



FRD

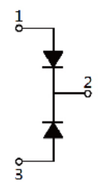
Product information			Parameter information									
Sort	Product Name	Assembly	VBR (V)		IR(uA) 25℃	VF (V) 25℃		Trr (ns)		IF (A)	IF (A)	Circuit Diagram
			Min	Typ	Max	Typ	Max	Typ	Max	Single chip	Dual chip	
400V	MUR1040CT	TO-220	400	450	5.0	1.20	1.40	24	35	5.0	10.0	
	MUR1640CT	TO-220	400	450	5.0	1.20	1.40	25	35	8.0	16.0	
	MUR2040CT	TO-220	400	450	5.0	1.20	1.40	25	35	10.0	20.0	
	MUR3040DCT	TO-3P	400	450	5.0	1.20	1.40	26	35	15.0	30.0	
	MUR4540DCS	TO-3P	400	450	5.0	1.20	1.40	26	35	22.5	45.0	
	MUR4540DCT	TO-3P	400	450	5.0	1.20	1.40	29	40	22.5	45.0	
	MUR5040DCT	TO-3P	400	450	5.0	1.20	1.40	29	40	25.0	50.0	
	MUR6040DCT	TO-3P	400	450	5.0	1.20	1.40	31	40	30.0	60.0	
	MUR80FU40DCT	TO-3P	400	450	5.0	1.20	1.40	35	50	40.0	80.0	
	MUR9040DCT	TO-3P	400	450	5.0	1.20	1.40	38	50	45.0	90.0	
600V	MUR860CT	TO-220	600	640	5.0	1.35	1.60	24	35	4.0	8.0	
	MUR1060CT	TO-220	600	640	5.0	1.35	1.60	25	35	5.0	10.0	
	MUR1660CT	TO-220	600	640	5.0	1.35	1.60	24	35	8.0	16.0	
	MUR2060CT	TO-220	600	640	5.0	1.35	1.60	24	35	10.0	20.0	
	MUR3060DCS	TO-3P	600	640	5.0	1.35	1.60	28	40	15.0	30.0	
	MUR3060DCT	TO-3P	600	640	5.0	1.35	1.60	30	40	15.0	30.0	
	MUR4060DCT	TO-3P	600	640	5.0	1.35	1.60	32	40	20.0	40.0	
	MUR5060DCT	TO-3P	600	640	5.0	1.35	1.60	33	40	25.0	50.0	
	MUR6060DCT	TO-3P	600	640	5.0	1.35	1.60	38	50	30.0	60.0	
	MUR8060DCT	TO-3P	600	640	5.0	1.35	1.60	40	50	40.0	80.0	
700V	MUR1070CT	TO-220	700	760	5.0	1.40	1.65	33	40	5.0	10.0	
	MUR2070CT	TO-220	700	760	5.0	1.40	1.65	33	40	10.0	20.0	
1200V	MUR30120DCT	TO-3P	1200	1300	5.0	2.30	3.00	45	60	15.0	30.0	
	MUR40120DCT	TO-3P	1200	1300	5.0	2.10	3.00	55	70	20.0	40.0	
1500V	MUR30150DCT	TO-3P	1500	1600	5.0	2.50	3.30	45	70	15.0	30.0	
	MUR40150DCT	TO-3P	1500	1600	5.0	2.50	3.30	50	80	20.0	40.0	
400V	MUR840	TO-220-2L	400	450	5.0	1.20	1.40	26	35	8.0	-	
	MUR1040	TO-220-2L	400	450	5.0	1.20	1.40	26	35	10.0	-	



FRD

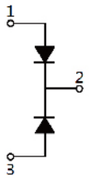
Product information			Parameter information								
Sort	Product Name	Assembly	VBR (V)		IR(uA) 25℃	VF (V) 25℃		Trr (ns)		IF (A)	IF (A)	Circuit Diagram
			Min	Typ	Max	Typ	Max	Typ	Max	Single chip	Dual chip	
200V	MUR1540	TO-220-2L	400	450	5.0	1.20	1.40	29	40	15.0	-	
	MUR2040	TO-220-2L	400	450	5.0	1.20	1.40	29	40	20.0	-	
	MUR3040	TO-220-2L	400	450	5.0	1.20	1.40	31	40	30.0	-	
	MUR4040	TO-220-2L	400	450	5.0	1.20	1.40	35	50	40.0	-	
	MUR460	TO-220-2L	600	640	5.0	1.35	1.60	24	35	4.0	-	
	MUR860	TO-220-2L	600	640	5.0	1.35	1.60	24	35	8.0	-	
	MUR1060	TO-220-2L	600	640	5.0	1.35	1.60	25	35	10.0	-	
	MUR1560	TO-220-2L	600	640	5.0	1.35	1.60	24	35	15.0	-	
	MUR2060	TO-220-2L	600	640	5.0	1.35	1.60	24	35	20.0	-	
	MUR3060	TO-220-2L	600	640	5.0	1.35	1.60	28	40	30.0	-	
	MUR4060	TO-220-2L	600	640	5.0	1.35	1.60	32	40	40.0	-	
	MUR1565	TO-220-2L	650	740	5.0	1.6	2.1	28	40	15	-	
	MUR2065	TO-220-2L	650	740	5.0	1.55	2.1	30	40	20	-	
	MUR3065	TO-220-2L	650	740	5.0	1.65	2.1	33	45	30	-	
300V	MUR4065	TO-247-2L	650	740	5.0	1.45	2.1	41	50	40	-	
	MUR6065	TO-247-2L	650	740	5.0	1.65	2.1	45	60	60	-	
	MUR8065	TO-247-2L	650	740	5.0	1.65	2.2	45	80	80	-	
	MUR10065	TO-247-2L	650	740	5.0	1.7	2.2	60	80	100	-	
	MUR570	TO-220-2L	700	760	5.0	1.40	1.65	33	40	5.0	-	
	MUR1070	TO-220-2L	700	760	5.0	1.40	1.65	33	40	10.0	-	
	MUR8120	TO-220-2L	1200	1300	5.0	2.40	3.00	40	70	8.0	-	
	MUR15FU120	TO-220-2L	1200	1300	5.0	2.30	3.00	45	60	15.0	-	
	MUR20120	TO-220-2L	1200	1300	5.0	2.10	3.00	55	70	20.0	-	
	MUR30120	TO-247-2L	1200	1300	5.0	2.50	3.00	50	80	30.0	-	
	MUR60120	TO-247-2L	1200	1300	5.0	2.60	3.00	60	80	60.0	-	
	MUR75120	TO-247-2L	1200	1300	5.0	2.50	3.00	70	100	75.0	-	
	MUR15150	TO-220-2L	1500	1600	5.0	2.50	2.70	45	70	15.0	-	
400V	MUR20150	TO-220-2L	1500	1600	5.0	2.50	2.70	50	80	20.0	-	

SBD

N/P	Product	Assembly	VBR (V)		IR(uA) 25℃	VF (V) 25℃		IF (A)	IF (A)	Circuit Diagram
			Min	Typ	Max	Typ	Max	Single chip	Dual chip	
45V	MBR1045CT	TO-220	45	52	50	0.56	0.65	5.0	10.0	
	MBRF1045CT	TO-220F	45	52	50	0.56	0.65	5.0	10.0	
	MBRD1045CT	TO-252	45	52	50	0.56	0.65	5.0	10.0	
	MBR1645CT	TO-220	45	52	50	0.56	0.65	8.0	16.0	
	MBRF1645CT	TO-220F	45	52	50	0.56	0.65	8.0	16.0	
	MBRD1645CT	TO-252	45	52	50	0.56	0.65	8.0	16.0	
	MBR2045CT	TO-220	45	52	50	0.56	0.65	10.0	20.0	
	MBRF2045CT	TO-220F	45	52	50	0.56	0.65	10.0	20.0	
	MBRD2045CT	TO-252	45	52	50	0.56	0.65	10.0	20.0	
	MBR3045CT	TO-220	45	52	50	0.56	0.65	15.0	30.0	
	MBRF3045CT	TO-220F	45	52	50	0.56	0.65	15.0	30.0	
	MBRD3045CT	TO-252	45	52	50	0.56	0.65	15.0	30.0	
	MBR3045NCT	TO-3PN	45	52	50	0.56	0.65	15.0	30.0	
	MBR4045CT	TO-220	45	52	50	0.56	0.65	20.0	40.0	
	MBRF4045CT	TO-220F	45	52	50	0.56	0.65	20.0	40.0	
	MBR4045NCT	TO-3PN	45	52	50	0.56	0.65	20.0	40.0	
	MBR6045NCT	TO-3PN	45	52	50	0.56	0.65	30.0	60.0	
60V	MBR1060CT	TO-220	60	72	50	0.71	0.80	5.0	10.0	
	MBRF1060CT	TO-220F	60	72	50	0.71	0.80	5.0	10.0	
	MBRD1060CT	TO-252	60	72	50	0.71	0.80	5.0	10.0	
	MBR1660CT	TO-220	60	72	50	0.71	0.80	8.0	16.0	
	MBRF1660CT	TO-220F	60	72	50	0.71	0.80	8.0	16.0	
	MBRD1660CT	TO-252	60	72	50	0.71	0.80	8.0	16.0	
	MBR2060CT	TO-220	60	72	50	0.71	0.80	10.0	20.0	
	MBRF2060CT	TO-220F	60	72	50	0.71	0.80	10.0	20.0	
	MBRD2060CT	TO-252	60	72	50	0.71	0.80	10.0	20.0	
	MBR3060CT	TO-220	60	72	50	0.71	0.80	15.0	30.0	
	MBRF3060CT	TO-220F	60	72	50	0.71	0.80	15.0	30.0	

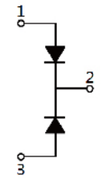
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N/P	Product	Assembly	VBR (V)		IR(uA) 25℃	VF (V) 25℃		IF (A)	IF (A)	Circuit Diagram
			Min	Typ	Max	Typ	Max	Single chip	Dual chip	
60V	MBRD3060CT	TO-252	60	72	50	0.71	0.80	15.0	30.0	
	MBR3060NCT	TO-3P	60	72	50	0.71	0.80	15.0	30.0	
	MBR4060CT	TO-220	60	72	50	0.71	0.80	20.0	40.0	
	MBRF4060CT	TO-220F	60	72	50	0.71	0.80	20.0	40.0	
	MBR4060NCT	TO-3PN	60	72	50	0.71	0.80	20.0	40.0	
	MBR6060NCT	TO-3PN	60	72	50	0.71	0.80	30.0	60.0	
100V	MBR10100CT	TO-220	100	121	20	0.79	0.85	5.0	10.0	
	MBRF10100CT	TO-220F	100	121	20	0.79	0.85	5.0	10.0	
	MBRD10100CT	TO-252	100	121	20	0.79	0.85	5.0	10.0	
	MBR16100CT	TO-220	100	121	20	0.79	0.85	8.0	16.0	
	MBRF16100CT	TO-220F	100	121	20	0.79	0.85	8.0	16.0	
	MBRD16100CT	TO-252	100	121	20	0.79	0.85	8.0	16.0	
	MBR20100CT	TO-220	100	121	20	0.79	0.85	10.0	20.0	
	MBRF20100CT	TO-220F	100	121	20	0.79	0.85	10.0	20.0	
	MBRD20100CT	TO-252	100	121	20	0.79	0.85	10.0	20.0	
	MBR30100CT	TO-220	100	121	20	0.79	0.85	15.0	30.0	
	MBRF30100CT	TO-220F	100	121	20	0.79	0.85	15.0	30.0	
	MBRD30100CT	TO-252	100	121	20	0.79	0.85	15.0	30.0	
	MBR40100CT	TO-220	100	121	20	0.78	0.85	20.0	40.0	
	MBRF40100CT	TO-220F	100	121	20	0.78	0.85	20.0	40.0	
	MBR40100NCT	TO-3PN	100	121	20	0.78	0.85	20.0	40.0	
	MBR60100NCT	TO-3PN	100	121	20	0.78	0.85	30.0	60.0	
150V	MBR10150CT	TO-220	150	173	20	0.83	0.90	5.0	10.0	
	MBRF10150CT	TO-220F	150	173	20	0.83	0.90	5.0	10.0	
	MBRD10150CT	TO-252	150	173	20	0.83	0.90	5.0	10.0	
	MBR16150CT	TO-220	150	173	20	0.83	0.90	8.0	16.0	
	MBRF16150CT	TO-220F	150	173	20	0.83	0.90	8.0	16.0	
	MBRD16150CT	TO-252	150	173	20	0.83	0.90	8.0	16.0	



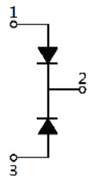
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N/P	Product	Assembly	VBR (V)		IR(uA) 25℃	VF (V) 25℃		IF (A)	IF (A)	Circuit Diagram
			Min	Typ	Max	Typ	Max	Single chip	Dual chip	
150V	MBR20150CT	TO-220	150	173	20	0.83	0.90	10.0	20.0	
	MBRF20150CT	TO-220F	150	173	20	0.83	0.90	10.0	20.0	
	MBRD20150CT	TO-252	150	173	20	0.83	0.90	10.0	20.0	
	MBR30150CT	TO-220	150	173	20	0.83	0.90	15.0	30.0	
	MBRF30150CT	TO-220F	150	173	20	0.83	0.90	15.0	30.0	
	MBRD30150CT	TO-252	150	173	20	0.83	0.90	15.0	30.0	
	MBR30150NCT	TO-3PN	150	173	20	0.83	0.90	15.0	30.0	
	MBRF40150CT	TO-220F	150	173	20	0.81	0.90	20.0	40.0	
	MBR40150CT	TO-220	150	173	20	0.81	0.90	20.0	40.0	
	MBR40150NCT	TO-3PN	150	173	20	0.81	0.90	20.0	40.0	
	MBR60150NCT	TO-3PN	150	173	20	0.81	0.90	30.0	60.0	
200V	MBR10200CT	TO-220	200	230	20	0.85	0.95	5.0	10.0	
	MBRF10200CT	TO-220F	200	230	20	0.85	0.95	5.0	10.0	
	MBRD10200CT	TO-252	200	230	20	0.85	0.95	5.0	10.0	
	MBR16200CT	TO-220	200	230	20	0.85	0.95	8.0	16.0	
	MBRF16200CT	TO-220F	200	230	20	0.85	0.95	8.0	16.0	
	MBRD16200CT	TO-252	200	230	20	0.85	0.95	8.0	16.0	
	MBR20200CT	TO-220	200	230	20	0.85	0.95	10.0	20.0	
	MBRF20200CT	TO-220F	200	230	20	0.85	0.95	10.0	20.0	
	MBRD20200CT	TO-252	200	230	20	0.85	0.95	10.0	20.0	
	MBR30200CT	TO-220	200	230	20	0.85	0.95	15.0	30.0	
	MBRF30200CT	TO-220F	200	230	20	0.85	0.95	15.0	30.0	
	MBRD30200CT	TO-252	200	230	20	0.85	0.95	15.0	30.0	
	MBR30200NCT	TO-3PN	200	230	20	0.85	0.95	15.0	30.0	
	MBR40200CT	TO-220	200	230	20	0.84	0.95	20.0	40.0	
	MBRF40200CT	TO-220F	200	230	20	0.84	0.95	20.0	40.0	
	MBR40200NCT	TO-3PN	200	230	20	0.84	0.95	20.0	40.0	
	MBR60200CT	TO-3P	200	230	20	0.84	0.95	30.0	60.0	



LOW SBD

N/P	Product	Assembly	VBR (V)		IR(uA) 25℃	VF (V) 25℃		IF (A)	IF (A)	Circuit Diagram
			Min	Typ	Max	Typ	Max	Single chip	Dual chip	
45V	MBR10R45CT	TO-220	45	50	100	0.43	0.50	5.0	10.0	
	MBRF10R45CT	TO-220F	45	50	100	0.43	0.50	5.0	10.0	
	MBR20R45CT	TO-220	45	53	100	0.42	0.50	10.0	20.0	
	MBRF20R45CT	TO-220F	45	53	100	0.42	0.50	10.0	20.0	
	MBR30R45CT	TO-220	45	53	100	0.41	0.50	15.0	30.0	
	MBRF30R45CT	TO-220F	45	53	100	0.41	0.50	15.0	30.0	
60V	MBR10R60CT	TO-220	60	72	100	0.52	0.55	5.0	10.0	
	MBRF10R60CT	TO-220F	60	72	100	0.52	0.55	5.0	10.0	
	MBR20R60CT	TO-220	60	72	100	0.51	0.55	10.0	20.0	
	MBRF20R60CT	TO-220F	60	72	100	0.51	0.55	10.0	20.0	
	MBR30R60CT	TO-220	60	72	100	0.50	0.55	15.0	30.0	
	MBRF30R60CT	TO-220F	60	72	100	0.50	0.55	15.0	30.0	
80V	MBR10R80CT	TO-220	80	90	100	0.57	0.70	5.0	10.0	
	MBRF10R80CT	TO-220F	80	90	100	0.57	0.70	5.0	10.0	
	MBR20R80CT	TO-220	80	90	100	0.58	0.70	10.0	20.0	
	MBRF20R80CT	TO-220F	80	90	100	0.58	0.70	10.0	20.0	
	MBR30R80CT	TO-220	80	90	100	0.60	0.70	15.0	30.0	
	MBRF30R80CT	TO-220F	80	90	100	0.60	0.70	15.0	30.0	
100V	MBR10R100CT	TO-220	100	121	50	0.66	0.73	5.0	10.0	
	MBRF10R100CT	TO-220F	100	121	50	0.66	0.73	5.0	10.0	
	MBRF20R100CT	TO-220F	100	121	50	0.64	0.73	10.0	20.0	
	MBR20R100CT	TO-220	100	121	50	0.64	0.73	10.0	20.0	
	MBRF30R100CT	TO-220F	100	121	50	0.68	0.73	15.0	30.0	
	MBR30R100CT	TO-220	100	121	50	0.68	0.73	15.0	30.0	
150V	MBR10R150CT	TO-220	150	175	50	0.78	0.80	5.0	10.0	
	MBRF10R150CT	TO-220F	150	175	50	0.78	0.80	5.0	10.0	
	MBR20R150CT	TO-220	150	175	50	0.77	0.80	10.0	20.0	
	MBRF20R150CT	TO-220F	150	175	50	0.77	0.80	10.0	20.0	
	MBR30R150CT	TO-220	150	175	50	0.77	0.80	15.0	30.0	
	MBRF30R150CT	TO-220F	150	175	50	0.77	0.80	15.0	30.0	
200V	MBR10R200CT	TO-220	200	230	50	0.81	0.85	5.0	10.0	
	MBRF10R200CT	TO-220F	200	230	50	0.81	0.85	5.0	10.0	
	MBR20R200CT	TO-220	200	230	50	0.79	0.85	10.0	20.0	
	MBRF20R200CT	TO-220F	200	230	50	0.79	0.85	10.0	20.0	
	MBR30R200CT	TO-220	200	230	50	0.78	0.85	15.0	30.0	
	MBRF30R200CT	TO-220F	200	230	50	0.78	0.85	15.0	30.0	



Three-Terminal Voltage Regulator

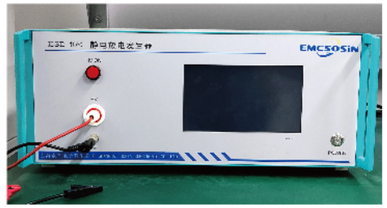
Sort	Product Name	Assembly	Product parameters					
			VOUT(V)			IQ25℃	IO 25℃	VIN
			Min	Typ	Max	Max(mA)	Max(A)	Max(V)
5V	L7805CV	TO-220	4.90	5.00	5.10	8.0	1.50	35
	L7805ACV	TO-220	4.90	5.00	5.10	8.0	1.20	35
	78M05A	TO-252	4.90	5.00	5.10	8.0	1.20	35
	DWE7805	TO-263	4.90	5.00	5.10	8.0	1.50	35
6V	L7806CV	TO-220	5.88	6.00	6.12	8.0	1.50	35
	L7806ACV	TO-220	5.88	6.00	6.12	8.0	1.20	35
	78M06A	TO-252	5.88	6.00	6.12	8.0	1.20	35
	DWE7806	TO-263	5.88	6.00	6.12	8.0	1.50	35
8V	L7808CV	TO-220	7.84	8.00	8.16	8.0	1.50	35
	L7808ACV	TO-220	7.84	8.00	8.16	8.0	1.20	35
	78M08A	TO-252	7.84	8.00	8.16	8.0	1.20	35
	DWE7808	TO-263	7.84	8.00	8.16	8.0	1.50	35
12V	L7812CV	TO-220	11.76	12.00	12.24	8.0	1.50	35
	L7812ACV	TO-220	11.76	12.00	12.24	8.0	1.20	35
	78M12A	TO-252	11.76	12.00	12.24	8.0	1.20	35
	DWE7812	TO-263	11.76	12.00	12.24	8.0	1.50	35
15V	L7815CV	TO-220	14.70	15.00	15.30	8.0	1.50	35
	L7815ACV	TO-220	14.70	15.00	15.30	8.0	1.20	35
	78M15A	TO-252	14.70	15.00	15.30	8.0	1.20	35
	DWE7815	TO-263	14.70	15.00	15.30	8.0	1.50	35
18V	L7818CV	TO-220	17.64	18.00	18.36	8.0	1.50	35
	L7818ACV	TO-220	17.64	18.00	18.36	8.0	1.20	35
	78M18A	TO-252	17.64	18.00	18.36	8.0	1.20	35

Three-Terminal Voltage Regulator

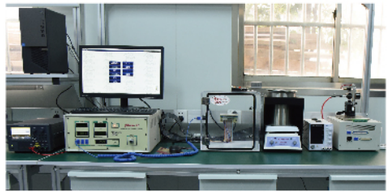
Sort	Product Name	Assembly	Product parameters					
			VOUT(V)			IQ25℃	IO 25℃	VIN
			Min	Typ	Max	Max(mA)	Max(A)	Max(V)
18V	DWE7818	TO-263	17.64	18.00	18.36	8.0	1.50	35
24V	L7824CV	TO-220	23.52	24.00	24.48	8.0	1.50	40
	L7824ACV	TO-220	23.52	24.00	24.48	8.0	1.20	40
	78M24A	TO-252	23.52	24.00	24.48	8.0	1.20	40
	DWE7824	TO-263	23.52	24.00	24.48	8.0	1.50	40
-5V	L7905CV	TO-220	-4.90	-5.00	-5.10	6.0	1.50	-35
	DWD7905	TO-252	-4.80	-5.00	-5.20	6.0	1.50	-35
	DWE7905	TO-263	-4.80	-5.00	-5.20	6.0	1.50	-35
-6V	L7906CV	TO-220	-5.88	-6.00	-6.12	6.0	1.50	-35
	DWD7906	TO-252	-5.88	-6.00	-6.12	6.0	1.50	-35
	DWE7906	TO-263	-5.88	-6.00	-6.12	6.0	1.50	-35
-8V	L7908CV	TO-220	-7.84	-8.00	-8.16	6.0	1.50	-35
	DWD7908	TO-252	-7.84	-8.00	-8.16	6.0	1.50	-35
	DWE7908	TO-263	-7.84	-8.00	-8.16	6.0	1.50	-35
-12V	L7912CV	TO-220	-11.76	-12.00	-12.24	6.0	1.50	-35
	DWD7912	TO-252	-11.76	-12.00	-12.24	6.0	1.50	-35
	DWE7912	TO-263	-11.76	-12.00	-12.24	6.0	1.50	-35
-15V	L7915CV	TO-220	-14.70	-15.00	-15.30	6.0	1.50	-35
	DWD7915	TO-252	-14.70	-15.00	-15.30	6.0	1.50	-35
	DWE7915	TO-263	-14.70	-15.00	-15.30	6.0	1.50	-35
-18V	L7918CV	TO-220	-17.64	-18.00	-18.36	6.0	1.50	-35
	DWD7918	TO-252	-17.64	-18.00	-18.36	6.0	1.50	-35
	DWE7918	TO-263	-17.64	-18.00	-18.36	6.0	1.50	-35

Device characteristics test lab-international mainstream test equipment/test project capabilities

器件特性测试实验室-国际主流测试设备/测试项目能力全面



静电放电发生器
Electrostatic discharge generator



热阻测试仪
Thermal resistance tester



雪崩测试仪
Avalanche tester



动态参数测试仪
Dynamic parameter tester



低温烘箱
Low temperature oven



静态参数测试仪
Static parameter tester



高温烘箱
High temperature oven

Reliability laboratory-full range of automotive reliability assessment capabilities

可靠性实验室-汽车级可靠性考核全套能力



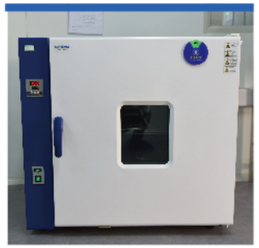
可靠性测试实验室一角
A corner of the reliability testing lab

- 投资逾千万元；
- 拥有全套工业级/汽车级可靠性试验项目能力；
- 为东海半导体提供高可靠性产品
- 提供了有力支撑。

- Investment of more than 10 million yuan;
- Have a full set of industrial/automotive reliability test project capabilities;
- To provide high reliability products for Tokai Semiconductor
- Provided strong support.



功率循环试验设备
Power cycle test equipment



高温烘烤设备
High temperature baking equipment





H3TRB2000A高温高湿反偏老化设备
H3TRB2000A High temperature and high humidity reverse bias aging device



回流焊
Reflow welding



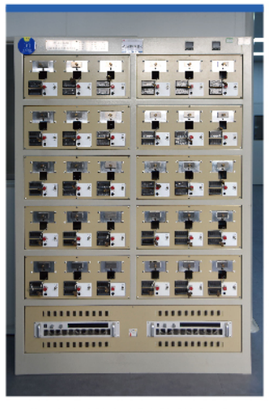
盐雾实验设备
Salt spray test equipment



IOL2000B功率循环老化设备
IOL2000B power cycle aging device



PCT-30高压蒸煮实验设备
PCT-30 high pressure cooking experimental equipment



稳压器功率老化试验设备
Voltage regulator power aging test equipment



恒温恒湿试验设备
Constant temperature and humidity test equipment



TCT温度循环试验
TCT temperature cycle test



高温反偏HTRB2000
High temperature reverse deflection HTRB2000

Failure Analysis Laboratory – Internal analysis + External analysis

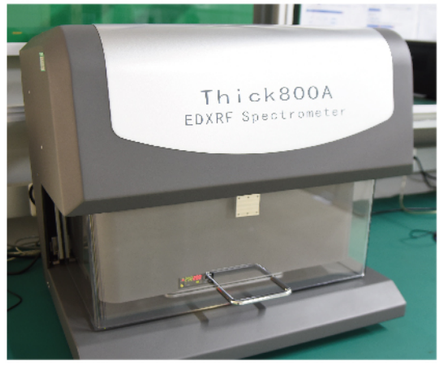
失效分析实验室-内部分析+外部分析



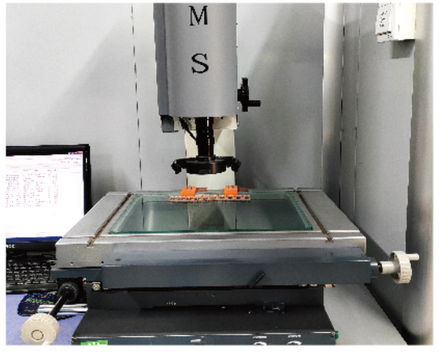
X-RAY on透视仪
X-RAY on fluoroscope



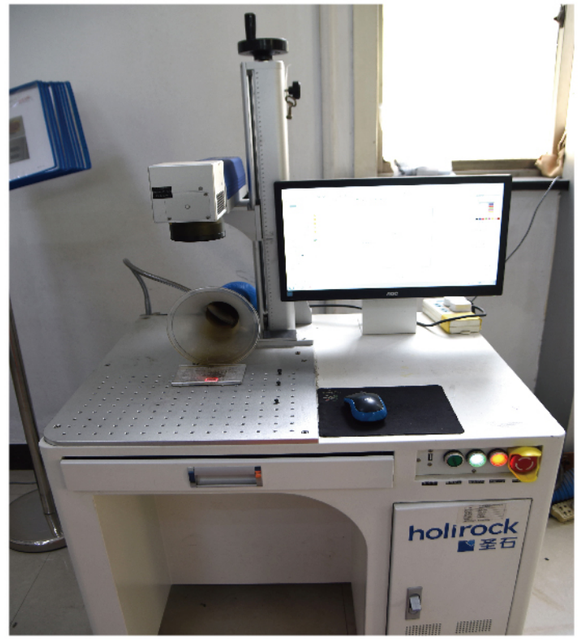
电镀镀层厚度测试仪
Electroplating coating thickness tester



元素成分分析仪
Element composition analyzer



二次元投影仪
Quadratic projector



激光开冒设备
Laser blasting equipment



超声扫描仪
Ultrasonic scanner

Application Testing laboratory – with photovoltaic/motor/power supply/battery and other application testing capabilities

应用测试实验室–具备光伏/电机/电源/电池等应用测试能力



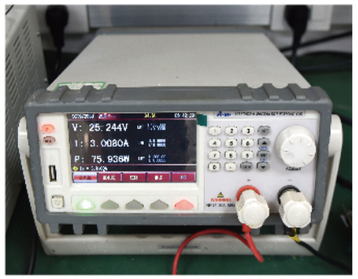
双通道高精度二极管反向恢复时间测试仪
Dual channel high precision diode reverse recovery time tester



示波器
oscilloscope



雷击浪涌发生器
Lightning surge generator



可编程直流电子负载测试仪
Programmable DC electronic load tester



TP700多路数据记录仪
TP700 multichannel data recorder



直流稳压电源
Dc regulated power supply



MTS-11电机测试系统
MTS-11 motor test system



光伏IV阵列模拟器
Pv IV array simulator



可程式恒温恒湿试验箱
Programmable constant temperature and humidity test chamber

应用领域 APPLICATION FIELD

电力能源应用:光伏逆变器、储能变流器、逆变焊机、不间断电源

Power Energy Applications: solar inverter, energy storage converters, inverter welders, uninterruptible power supply



光伏逆变器/Photovoltaic inverter



储能变流器/Energy storage converter



逆变焊机/Inverter welder



不间断电源/Uninterrupted power supply

产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	封装类型 Package type
IGBT单管 IGBT Single	DHG15T65DLBBF	650V	15A	TO-220F
	DGE20F65M2	650V	20A	TO-263-3L
	DGC20F65M2			TO-247-3L
	DGG20F65M2			TO-220C
	DGN30F65M2	650V	30A	TO-3PN
	DGC30F65M2			TO-247-3L
	DGF30F65M2			TO-220F
	DGC40H65M2	650V	40A	TO-247-3L
	DGN40F65M2			TO-3PN
	DGCF40F65M2			TO-247-4L
	G50T65D	650V	50A	TO-3PN
	DHG50T65LBBW			TO-247-3L
	DGC50F65M2			TO-247-3L
	DGCF50F65M2			TO-247-4L
	DGC60F65M	650V	60A	TO-247-3L
	DGC75F65M	650V	75A	TO-247-3L
	DGCF75F65M			TO-247-4L
	DGCPI75F65M			ITO-247PLUS-3L
	DGC80F65M	650V	80A	TO-247-3L
	DGC120F65M2	650V	120A	TO-247-3L
	DGCP120F65M2			TO-247PLUS-3L
	DGCQ120F65M2			TO-247PLUS-4L
	DGCPI120F65M2			ITO-247PLUS-3L
	DGCP160H65L2	650V	160A	TO-247PLUS-3L
	DGCP200H65L2	650V	200A	TO-247PLUS-3L
	DAGC75H65M	750V	75A	TO-247-3L
	DGC25H120M2	1200V	25A	TO-247-3L
	DGN25H120M2			TO-3PN
	DGCI25H120M2			ITO-247-3L
	DGC25F120M2			TO-247-3L
	DGN25F120M2			TO-3PN
	DGCI25F120M2			ITO-247-3L
	DGC30F120M2	1200V	30A	TO-247-3L
	DGN30F120M2			TO-3PN
	DGC40F120M2	1200V	40A	TO-247-3L
	G40N120D			TO-247-3L
	G50N120D	1200V	50A	TO-264-3L
	DGC75F120M2	1200V	75A	TO-247PLUS-3L
	DGA75F120M2			TO-264-3L
	DGCPI75F120M2			ITO-247PLUS-3L
	DGCQ75F120M2			TO-247PLUS-4L
	DGCP120F120L2	1200V	120A	TO-247PLUS-3L
	DGCQ120F120L2			TO-247PLUS-4L
	DGCPI120F120L2			ITO-247PLUS-3L
	DGCP150F120L2	1200V	150A	TO-247PLUS-3L
	DGCQ150F120L2			TO-247PLUS-4L

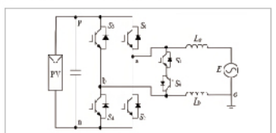
产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	封装类型 Package type
SJMOS	DJC070N65M2	650V	70A	TO-247-3L
	DJC030N65TF	650V	100A	TO-247-3L
	DJC099N65T	650V	34A	TO-247-3L

产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	封装类型 Package type
SiC MOS	DCC060M65G2	650V	30A	TO-247-3L
	DCC030M65G2	650V	55A	TO-247-3L
	DCC020M65G2	650V	72A	TO-247-3L
	DCC140M120G2	1200V	17A	TO-247-3L
	DCC075M120G2	1200V	33A	TO-247-3L
	DCC040M120A2	1200V	65A	TO-247-3L
	DCC016M120G2	1200V	120A	TO-247-3L

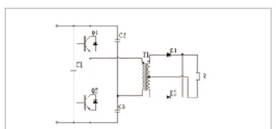
产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	Rds（on）	封装类型 Package type
低压MOS LV.MV.MOSFET	DSP190N15N3A	150V	50A	19mΩ	DFN5*6-8L
	DSP100N15N3	150V	80A	12mΩ	DFN5*6-8L
	DSG190N15N3A	150V	50A	19mΩ	TO-220C-3L
	DSG100N15N3	150V	105A	19mΩ	TO-220C-3L
	DSG092N15N3A	150V	115A	9mΩ	TO-220C-3L
	DSG059N15N3A	150V	150A	5.9mΩ	TO-220C-3L
	DSC050N15NA	150V	180A	5.5mΩ	TO-247-3L
	DSG108N20NA	200V	110A	13mΩ	TO-220C-3L
	DSC108N20NA	200V	120A	12.5mΩ	TO-247-3L

产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	封装类型 Package type
IGBT模块 IGBT Module	DGB250H120M2	1200V	250A	MB
	DGB450H120M2	1200V	450A	MB
	DGB600H120M2	1200V	600A	MB
	DGD450H120M2	1200V	450A	MD
	DGD600H120M2	1200V	600A	MD
	DGD900H120M2	1200V	900A	MD
	DGQ450C65M2T	650V	450A	MQ

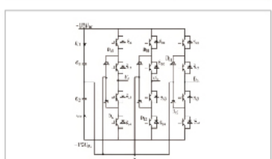
应用方案Application scenario



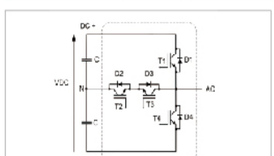
Heric拓扑
Heric topology



半桥拓扑
Half-bridge topology



INPC



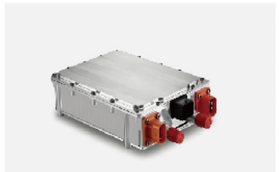
TNPC

新能源汽车应用：电机控制器、车载充电机、直流充电桩、电动自行车

New Energy Vehicle Applications: Motor Controller, on-board Chargers, DC charging posts, electric bicycles



电机控制器/Motor controller



车载充电机/Car charger



直流充电桩/Dc charging pile

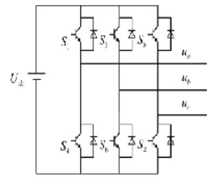


电动自行车/Electric bicycle

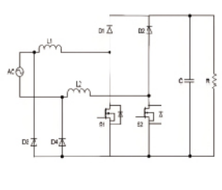
产品类型 Product type	产品型号 Product model	电压 Voltage	Rds（on）	电流 Electric current	封装类型 Package type
SiC MOS	DCC060M65G2	650V	60mΩ	41A	TO247-3
	DCCF060M65G2				TO247-4
	DCEV060M65G2				TO263-7
	DCC040M65G2	650V	40mΩ	52A	TO247-3
	DCCF040M65G2				TO247-4
	DCEV040M65G2				TO263-7
	DCC030M65G2	650V	30mΩ	55A	TO247-3
	DCCF030M65G2				TO247-4
	DCEV030M65G2				TO263-7
	DCC020M65G2	650V	20mΩ	72A	TO247-3
	DCCF020M65G2				TO247-4
	DCEV020M65G2				TO263-7
	DCC060M90G2	900V	60mΩ	35A	TO247-3
	DCCF060M90G2				TO247-4
	DCEV060M90G2				TO263-7
	DCC140M120G2	1200V	140mΩ	17A	TO247-3
	DCCF140M120G2				TO247-4
	DCEV140M120G2				TO263-7
	DCC075M120G2	1200V	75mΩ	33A	TO247-3
	DCCF075M120G2				TO247-4
	DCEV075M120G2				TO263-7
	DCC040M120A2	1200V	40mΩ	65A	TO247-3
	DCCF040M120A2				TO247-4
	DCEV040M120A2				TO263-7
	DCC030M120G2	1200V	30mΩ	68A	TO247-3
	DCCF030M120G2				TO247-4
	DCEV030M120G2				TO263-7
	DCC016M120G2	1200V	16mΩ	120A	TO247-3
	DCCF016M120G2				TO247-4
	DCC1K0M170G1	1700V	1000mΩ	5A	TO247-3
	DCEV1K0M170G1				TO263-7
	DCC650M170G1	1700V	650mΩ	7A	TO247-3

产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	封装类型 Package type
SiC Diode	DCGT04D65G4	650V	4A	TO220-2
	DCFT04D65G4	650V	4A	TO220F-2
	DCD04D65G4	650V	4A	TO252
	DCGT06D65G4	650V	6A	TO220-2
	DCFT06D65G4	650V	6A	TO220F-2
	DCD06D65G4	650V	6A	TO252
	DCGT08D65G4	650V	8A	TO220-2
	DCFT08D65G4	650V	8A	TO220F-2
	DCD08D65G4	650V	8A	TO252
	DCGT10D65G4	650V	10A	TO220-2
	DCFT10D65G4	650V	10A	TO220F-2
	DCD10D65G4	650V	10A	TO252
	DCE10D65G4	650V	10A	TO263-2
	DCGT20D65G4	650V	20A	TO220-2
	DCCT20D65G4	650V	20A	TO247-2
	DCC20D65G4	650V	20A	TO247-3
	DCCT30D65G4	650V	30A	TO247-2
	DCC40D65G4	650V	40A	TO247-3
	DCCT50D65G4	650V	50A	TO247-2
	DCGT05D120G4	1200V	5A	TO220-2
	DCD05D120G4	1200V	5A	TO252
	DCGT10D120G4	1200V	10A	TO220-2
	DCCT10D120G4	1200V	10A	TO247-2
	DCD10D120G4	1200V	10A	TO252
	DCE10D120G4	1200V	10A	TO263-2
	DCGT15D120G4	1200V	15A	TO220-2
	DCCT15D120G4	1200V	15A	TO247-2
	DCE15D120G4	1200V	15A	TO263-2
	DCGT20D120G4	1200V	20A	TO220-2
	DCCT20D120G4	1200V	20A	TO247-2
	DCC20D120G4	1200V	20A	TO247-3
	DCE20D120G4	1200V	20A	TO263-2
	DCCT30D120G4	1200V	30A	TO247-2
	DCC30D120G4	1200V	30A	TO247-3
	DCCT40D120G4	1200V	40A	TO247-2
	DCC40D120G4	1200V	40A	TO247-3
	DCCT10D170G3	1700V	10A	TO247-2
	DCCT25D170G1	1700V	25A	TO247-2
	DCCT50D170G3	1700V	50A	TO247-2

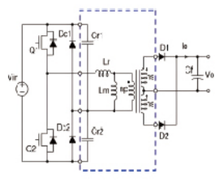
应用方案Application scenario



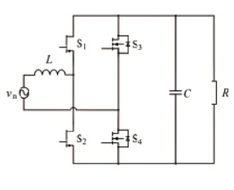
三相全桥逆变
Three-phase full bridge inverter



无桥双升压PFC
Bridgeless dual boost PFC



半桥LLC变换
Half Bridge LLC transformation



圆腾柱PFC
The Totem pole PFC

电机驱动应用：电动工具、变频器、工业缝纫机、白色家电

Motor Drive applications: electric tools, frequency converters, industrial sewing machines, white home appliances



电动工具/Power tool



变频器/Frequency changer



工业缝纫机/Industrial sewing machine



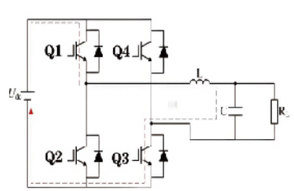
白色家电/White goods

产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	封装类型 Package type
IGBT单管 IGBT Single	DHG15T65DLBBF	650V	15A	TO-220F
	DGF20F65M2	650V	20A	TO-220F
	DGE20F65M2			TO-263-3L
	DGC20F65M2			TO-247-3L
	DGG20F65M2			TO-220C
	DGN30F65M2	650V	30A	TO-3PN
	DGC30F65M2			TO-247-3L
	DGF30F65M2			TO-220F
	DGC40H65M2	650V	40A	TO-247-3L
	DGN40F65M2			TO-3PN
	DGCF40F65M2			TO-247-4L
	G50T65D	650V	50A	TO-3PN
	DHG50T65LBBW			TO-247-3L
	DGC50F65M2			TO-247-3L
	DGCF50F65M2			TO-247-4L
	DGC60F65M	650V	60A	TO-247-3L
	DGC75F65M	650V	75A	TO-247-3L
	DGCF75F65M			TO-247-4L
	DGCPI75F65M			ITO-247PLUS-3L
	DGC25H120M2	1200V	25A	TO-247-3L
	DGN25H120M2			TO-3PN
	DGCI25H120M2			ITO-247-3L
	DGC25F120M2			TO-247-3L
	DGN25F120M2			TO-3PN
	DGCI25F120M2			ITO-247-3L
	DGC30F120M2			TO-247-3L
	DGN30F120M2			TO-3PN
	DGC40F120M2	1200V	40A	TO-247-3L
	G40N120D			TO-247-3L
	G50N120D	1200V	50A	TO-264-3L
	DGC75F120M2			TO-247PLUS-3L
	DGA75F120M2	1200V	75A	TO-264-3L
	DGCPI75F120M2			ITO-247PLUS-3L
	DGCQ75F120M2			TO-247PLUS-4L

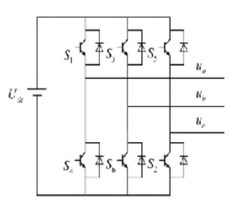
产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	封装类型 Package type
IGBT模块（变频类） IGBT Moduie	DGC50C65M2T	650V	50A	MC
	DGC75C65M2T	650V	75A	MC
	DGC75C120M2T	1200V	75A	MC
	DGC40C120M2T	1200V	40A	MC
	DGP75C120L2T	1200V	75A	MJ
	DGP100C120L2T	1200V	100A	MJ
	DGB150H120M2	1200V	150A	MB
	DGB250H120M2	1200V	250A	MB
	DGB450H120M2	1200V	450A	MB
	DGB600H120M2	1200V	600A	MB
	DGD450H120M2	1200V	450A	MD
	DGD600H120M2	1200V	600A	MD
	DGD900H120M2	1200V	900A	MD

产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	封装类型 Package type
IGBT模块（焊机类） IGBT Moduie	DGA50H65M2T	650V	50A	MA
	DGA75H65M2T	650V	75A	MA
	DGA100H65M2T	650V	100A	MA
	DGA160H65M2T	650V	160A	MA
	DGA200H65M2T	650V	200A	MA
	DGA250H65M2T	650V	250A	MA
	DGA40H120M2T	1200V	40A	MA
	G50N120D	1200V	50A	MA
	DGA75H120M2T	1200V	75A	MA
	DGA100H120M2T	1200V	100A	MA
	DGA150H120M2T	1200V	150A	MA

应用方案Application scenario



全桥拓扑
Full bridge topology



三相全桥逆变
Three-phase full bridge inverter

感应加热应用：家用电磁炉、电磁商灶、家用电饭锅、变频微波炉

Induction heating applications: home induction cooker, Electromagnetic Stove, home electric cooker, frequency conversion microwave oven



电磁炉/Induction cooker



电磁灶/Electromagnetic cooker



家用电饭锅/A household rice cooker

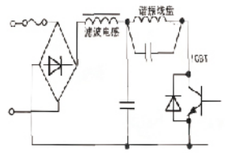


家用微波炉/Domestic microwave oven

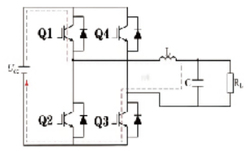
产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	封装类型 Package type
IGBT单管 IGBT Single	DGC25H120M2	1200V	25A	TO-247-3L
	DGN25H120M2	1200V	25A	TO-3PN
	DGCI25H120M2	1200V	25A	ITO-247-3L
	DGC25F120M2	1200V	25A	TO-247-3L
	DGN25F120M2	1200V	25A	TO-3PN
	DGCI25F120M2	1200V	25A	ITO-247-3L
	DGC30F120M2	1200V	30A	TO-247-3L
	DGN30F120M2	1200V	30A	TO-3PN
	DGC40F120M2	1200V	40A	TO-247-3L
	G40N120D	1200V	40A	TO-247-3L
	G50N120D	1200V	50A	TO-264-3L

产品类型 Product type	产品型号 Product model	电压 Voltage	电流 Electric current	封装类型 Package type
IGBT模块 IGBT Moduie	DGA75H120M2T	1200V	75A	MA
	DGA100H120M2T	1200V	100A	MA
	DGA150H120M2T	1200V	150A	MA
	DGB150H120M2	1200V	150A	MB
	DGB250H120M2	1200V	250A	MB

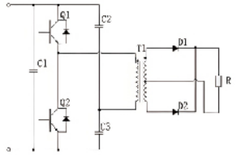
应用方案Application scenario



单端谐振拓扑
Single-ended resonant topology



全桥拓扑
Full bridge topology



全桥拓扑
Full bridge topology

CORE ADVANTAGE

核心优势

成本控制

成本控制能力极强，确保高性价。
Strong cost control ability to ensure high price.

Cost control

自有设计团队，新品研发和性能优化，灵活高度。
Own design team, new product development and performance optimization, flexible height.

定制灵活性能优化

Flexible customization Performance optimization

品质保证 产能保证

自检研发中心，封装厂，测试厂全程品质严控，产能保障。

Quality assurance Capacity guarantee

Self-inspection R & D center, packaging factory, test factory quality control, production capacity guarantee.

配备专业技术服务人员和全套设备，保证问题分析的全面性和精度，服务意识强，效率高。

定制灵活性能优化

Flexible customization Performance optimization

Equipped with professional technical service personnel and a full set of equipment to ensure the comprehensiveness and accuracy of problem analysis, strong service awareness, high efficiency.



无锡/WuXi
总部/研发中心/封装基地
Headquarters/R&D center/packaging base



深圳/Shenzhen
华南销售中心
South China Sales Center