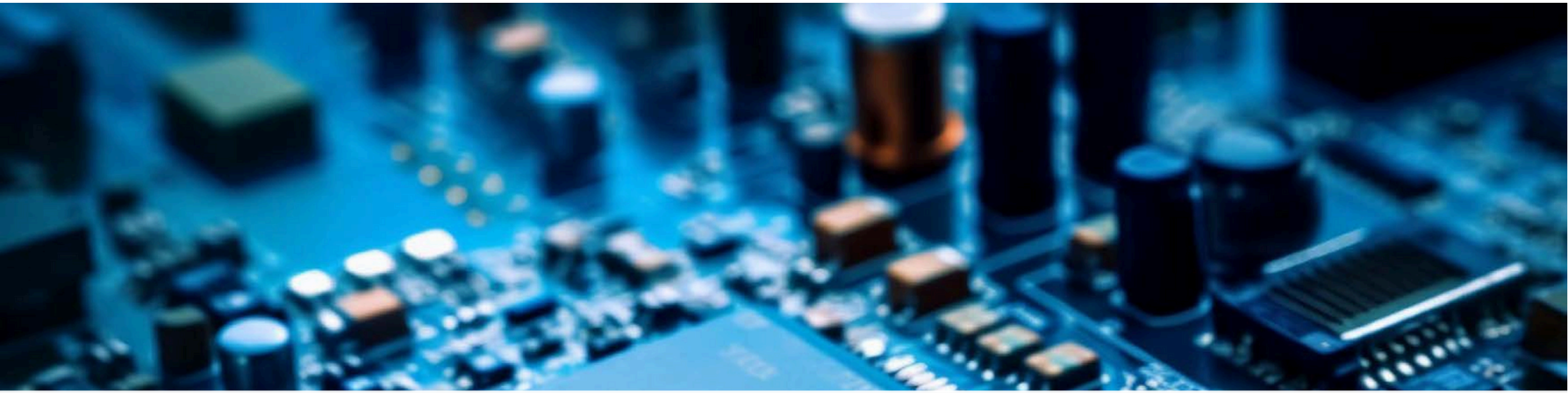




Products



Product Series



Rectification Device

Bridge Rectifiers
General Purpose Rectifiers Diodes
Schottky Diodes
Fast Recovery Diodes
High Efficient Diodes
Ultra Fast Recovery Diodes



Small signal

Small Signal Switching Diodes
Small Signal Schottky Diodes
Small Signal Schottky Transistors



Protective device

TVS Diodes
ESD Diodes
Zener Diodes



MOSFET

Planar MOS
Trench MOS
SGT MOS
SJ MOS



SiC

SiC Schottky Barrier
SiC MOSFET



Rectifier Device——STD

Category	Product series	Current Rating	Voltage Rating	Packages
Schottky Barrier	Small Signal Schottky Diodes	0.015A-1A	20-100V	SOD-123,SOD-323,SOD-523,SOT-23
	Schottky Rectifiers	1A-40A	20-200V	SOD-123FL,SMA,SMB,SMC,TO-277,TO-252,TO-263,TO-220(F),etc
Diodes	Small Signal Switching Diodes	0.1A-0.35A	30-250V	SOD-123,SOD-323,SOD-523,SOT-23
	General Purpose Rectifiers	1A-10A	50-1000V	SOD-123FL,SMA,SMB,SMC
	Fast Recovery Rectifiers	1A-5A	50-1000V	SOD-123FL,SMA,SMB,SMC
	High Efficient Rectifier	1A-5A	50-1000V	SOD-123FL,SMA,SMB,SMC
	Ultra Fast Recovery Rectifiers	1A-5A	50-600V	SOD-123FL,SMA,SMB,SMC
Bridge	General Purpose Bridge	0.8A-50A	50-1000V	MBS,MBF,ABS,DBS,UMSB,TTF,DB,KBP,KBL,KBJ,GBU,GBJ,etc
	Fast Recovery Bridge	1A-8A	50-1000V	MBS,ABS,UMSB,TTF



Protective Device——ESD

Product Features and Benefits

- IEC61000-4-2 (ESD) $\pm 30\text{kV}$ (air), $\pm 30\text{kV}$ (contact)
- Low Leakage Current
- Low Capacitance
- High Pulse Current
- Working Voltage: 3.3-36V
- Packaging Diversity: DFN0603、DFN1006、DFN1610 、DFN2020、DFN2510、SOD-123、SOD-323、SOD-523 、SOT-23、SOT-23-6L, etc



DFN1006



DFN2510



SOD-123



SOD-323



SOD-523



SOT-23-6L



Protective Device——TVS

Product Features and Benefits

- Fast response time
- Excellent clamping capability
- Low inductance
- Working Voltage: 5.0V-440V
- Packaging Diversity : SOD-123FL , SMAF、SMA、SMB、SMC、DO-218AB



SOD-123FL



DO- 218 AB



SMAF



SMA



SMB



SMC



Protective Device——Zener

Product Features and Benefits

- Total power dissipation: Max. 0.2W-5W.
- Wide zener reverse voltage range 3.3V to 330V.
- Small plastic package suitable for surface mounted design.
- Tolerance approximately : $\pm 2\%$ 、 $\pm 5\%$
- Packaging Diversity: SOD-123, SOD-323、SOD-523 、SMAF、SMA、SMB



SOD-123



SOD-323



SOD-523



SMA



SMB

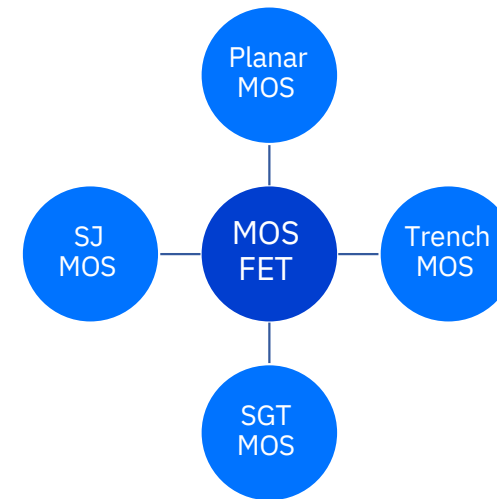


SMAF

MOSFET

Product Features and Benefits

- Low $R_{d(on)}$
- Ultra low gate charge
- Extremely low switching loss
- Excellent reliability and uniformity
- Fast switching and soft recovery



PDFN3*3-8L



PDFN5*6-8L



TO-220F



TO-247-3L



TO-252



SOT-23



SiC MOSFET

Product Features and Benefits

- High Blocking Voltage
- Low Rd(on)
- High Speed Switching with Low Capacitances
- Excellent reliability and uniformity
- Fast switching and soft recovery



TO-247-3L

Part Number	Package	Type	Bvdss (V)	ID (A)	VGS(V)	RDS(on)(Ω) VGS=20V		VGS(th)(V)	
						Typ.	Max.	Min.	Max.
MDDG2C065R060K3	TO-247-3L	N	650	29	-8/+19	60	79	1.8	3.6
MDDG2C120R160K3	TO-247-3L	N	1200	18	-10/+25	160	196	2	4
MDDG1C120R080K3	TO-247-3L	N	1200	36	-10/+25	80	98	2	4
MDDG1C120R040K3	TO-247-3L	N	1200	55	-10/+25	44	52	2	4
MDDG2C120R016K3	TO-247-3L	N	1200	115	-8/+19	16	22.3	1.8	3.6
MDDG2C170R045K3	TO-247-3L	N	1700	72	-10/+25	45	70	2	4



SiC SBD

Product Features and Benefits

- 1.7kV Schottky Rectifier
- Zero Reverse Recovery Current
- High-Frequency Operation
- Temperature-Independent Switching
- Extremely Fast Switching
- Positive Temperature Coefficient on VF

型号 TYPE NO.MDD	Package	最大反 向峰 值电 压 Max.Reverse Voltage	平均电流 IF	浪涌电流 IFSM	正向电压 VF.Max	正向电流 @IF	反 向漏电 流 IR@VR
							(μA)
MCRP210650SG3	TO-220	650	1	90	2	1	60
MCRK2101200SG3	TO-247-2L	1200	0	67	1.8	0	250
MCRK2201200SG3	TO-247-2L	1200	1	130	1.8	1	200
MCRK2401200SG2	TO-247-2L	1200	0	247	1.8	0	300
MCRK2101700SG3	TO-247-2L	1700	2	55	2	2	60
			0			0	
			4			4	
			0			0	
			1			1	
			0			0	



TO-247-2L



TO-220