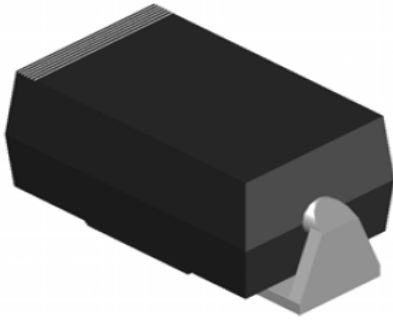
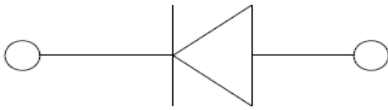


Surface Mount Schottky Rectifier



Features

- I_o 1.0A
- V_{RRM} 20V-100V
- High surge current capability
- Cases: Molded plastic



■ Limiting Values (Absolute Maximum Rating)

Item	Symbol	Unit	Test Conditions	SS12	SS13	SS14	SS15	SS16	SS19	SS110		
Repetitive Peak Reverse Voltage	V_{RRM}	V		20	30	40	50	60	90	100		
Average Forward Current	$I_{F(AV)}$	A	60HZ Half-sine wave, Resistance load, T_a (Fig.1)	1.0								
Surge(Non-repetitive)Forward Current	I_{FSM}	A	60Hz Half-sine wave ,1 cycle , $T_a=25^{\circ}C$	30								
Junction Temperature	T_J	$^{\circ}C$		-55~+125			-55~+150					
Storage Temperature	T_{STG}	$^{\circ}C$		-55 ~ +150								

Notes 1. Thermal resistance from junction to ambient mounted on P.C.B. with 5.0 mm x 5.0 mm copper heatsink



SS12 THRU SS110

■ Electrical Characteristics (T_a=25℃ unless otherwise specified)

Item	Symbol	Unit	Test Conditions	SS12	SS13	SS14	SS15	SS16	SS19	SS110
Peak Forward Voltage	V _F	V	I _F =1.0A	0.55			0.70		0.85	
Peak Reverse Current	I _{RRM1}	mA	V _{RM} =V _{RRM}	T _a =25℃		0.5				0.1
	I _{RRM2}			T _a =100℃		10		5.0		2.0
Thermal Resistance(Typical)	R _{θJ-A}	℃/W	Between junction and ambient	88 ¹⁾						
	R _{θJ-L}		Between junction and terminal	28 ¹⁾						

Notes:

Thermal resistance from junction to ambient and from junction to lead mounted on P.C.B. with 0.2" x 0.2" (5.0 mm x 5.0 mm) copper pad areas

■ Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
SS12 THRU SS110	F1	Approximate 0.063	5000	10000	80000	13" reel

■ Characteristics(Typical)

FIG.1: FORWARD CURRENT DERATING CURVE

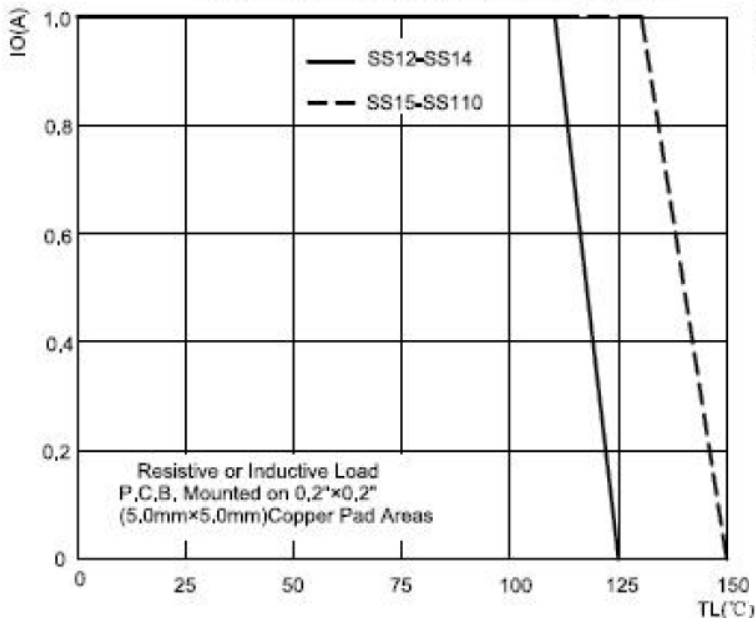
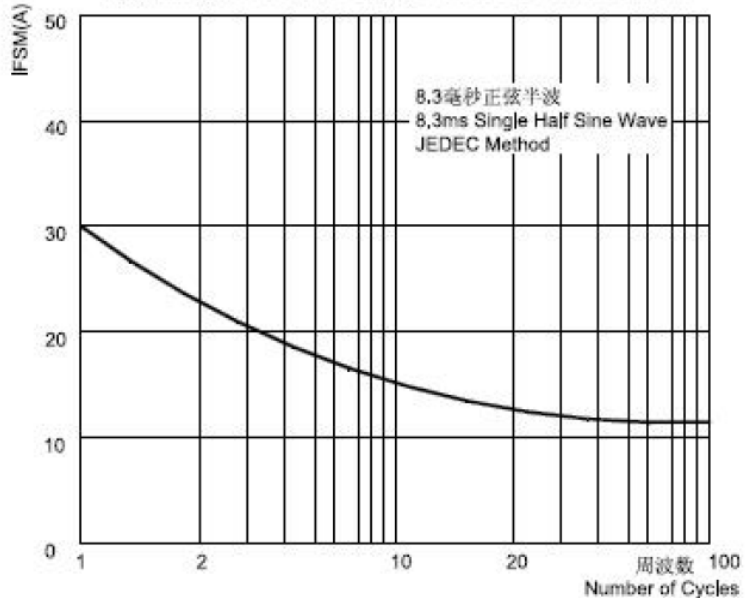


FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT





SS12 THRU SS110

FIG.3: TYPICAL FORWARD CHARACTERISTICS

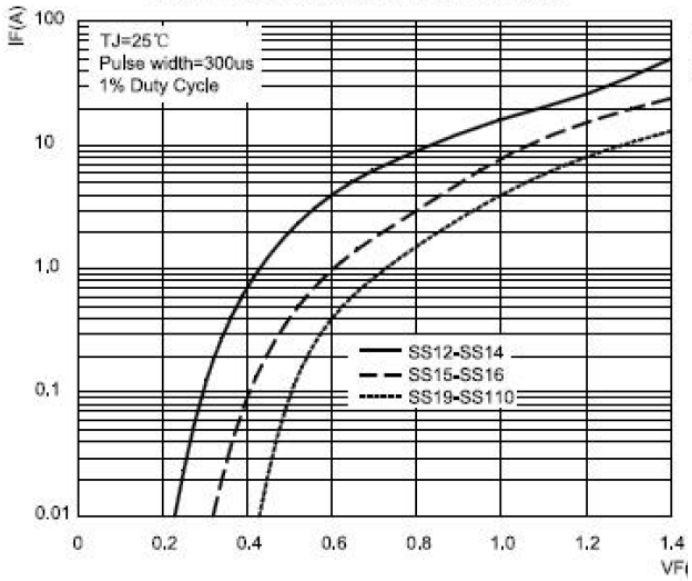
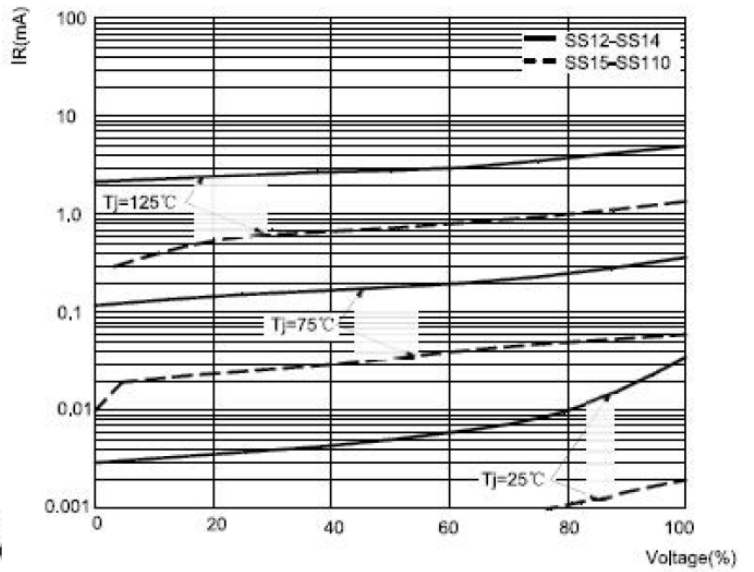
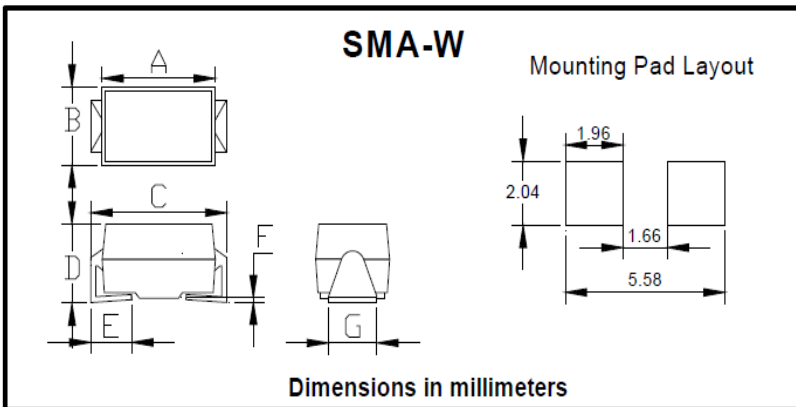


FIG.4: TYPICAL REVERSE CHARACTERISTICS



■ Outline Dimensions



SMA-W		
Dim	Min	Max
A	4.00	4.60
B	2.40	2.65
C	4.80	5.31
D	2.05	2.45
E	0.80	1.50
F	0.10	0.20
G	1.15	1.80



Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales office for further assistance.

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Schottky Diodes & Rectifiers](#) category:

Click to view products by [Yangjie](#) manufacturer:

Other Similar products are found below :

[CUS06\(Te85L,Q,M\)](#) [MA4E2508M-1112](#) [D1FH3-5063](#) [MBR0530L-TP](#) [MBR10100CT-BP](#) [MBR30H100MFST1G](#) [MMBD301M3T5G](#)
[PMAD1103-LF](#) [PMAD1108-LF](#) [RB160M-50TR](#) [RB520S-30](#) [RB551V-30](#) [D83C](#) [DD350N18K](#) [DZ435N40K](#) [DZ600N16K](#)
[BAS16E6433HTMA1](#) [BAS 3010S-02LRH E6327](#) [BAT 15-099R E6327](#) [BAT 54-02LRH E6327](#) [NRVBAF360T3G](#) [NRVTS10100MFST1G](#)
[NRVTS12100EMFST1G](#) [NSR05F40QNXT5G](#) [NSVR05F40NXT5G](#) [JANS1N6640](#) [SB07-03C-TB-H](#) [SB1003M3-TL-W](#) [SBAT54CWT1G](#)
[SK32A-LTP](#) [SK33A-TP](#) [SK34A-TP](#) [SK34B-TP](#) [SMD1200PL-TP](#) [ACDBN160-HF](#) [SS3003CH-TL-E](#) [STPS3045CPIRG](#) [STPS30S45CW](#)
[PDS3100Q-7](#) [GA01SHT18](#) [CRS10I30A\(Te85L,QM\)](#) [CRS10I30B\(Te85L,QM\)](#) [MBR1240MFST1G](#) [MBR20100CT-BP](#) [MBRB30H30CT-1G](#)
[BAS28E6433HTMA1](#) [BAS 70-02L E6327](#) [BYS11-90-E3TR3](#) [JANTX1N5712-1](#) [VS-STPS40L45CW-N3](#)