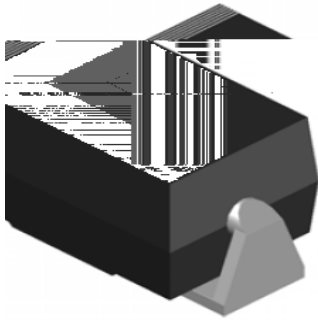


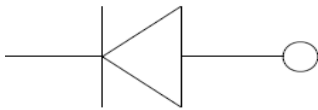


Surface Mount Schottky Rectifier



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 , $T_a=25$	30								
Junction Temperature	T_J			-55~+125			-55~+150					
Storage Temperature	T_{STG}			-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 $T_a=25$ T_a 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_{J-A}	/W	Between junction and ambient	88 ¹⁾						
	R_{J-L}		Between junction and terminal	28 ¹⁾						

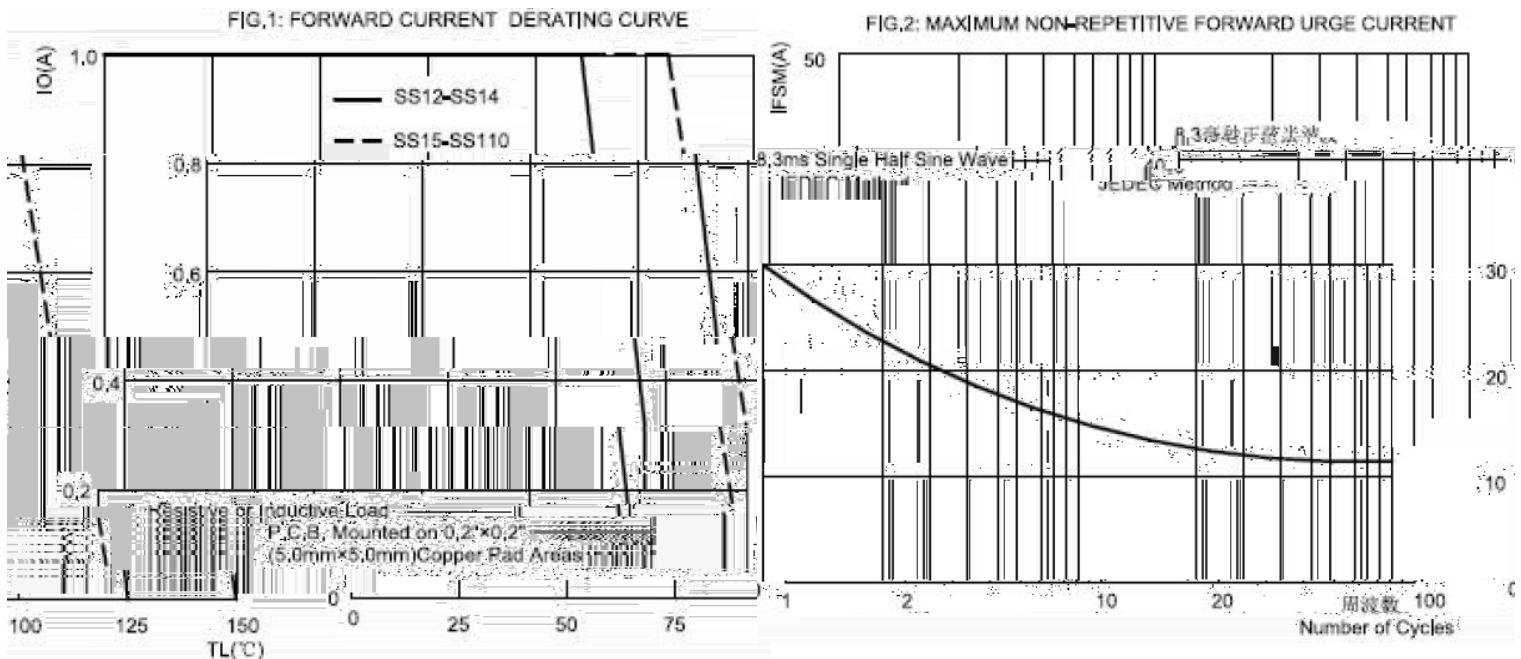
Notes:

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)

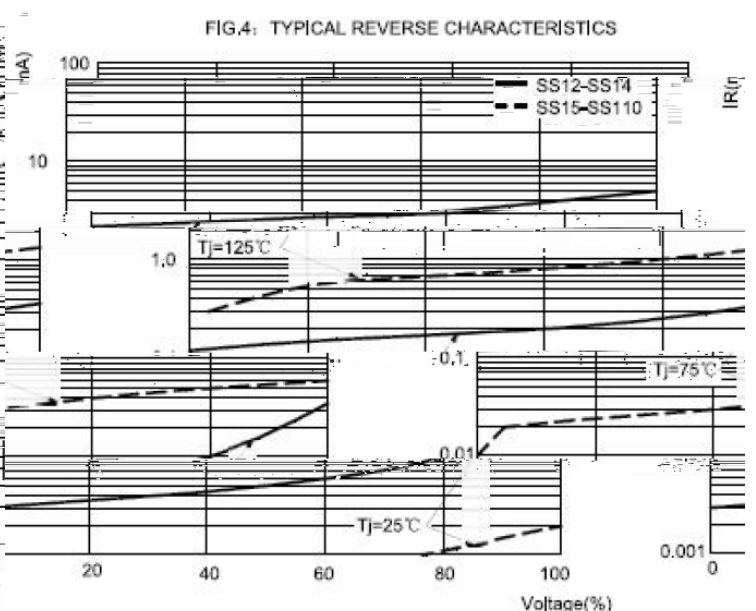
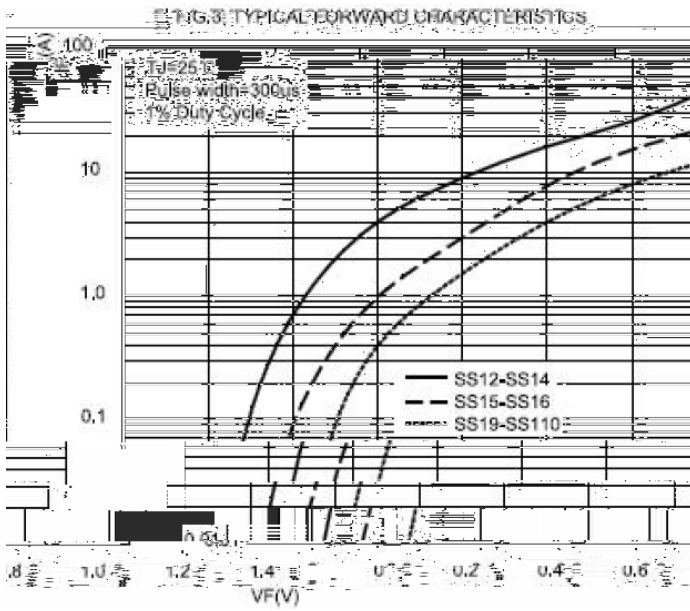
PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
SS12 THRU SS110	F1	Approximate 0.063	5000	10000	80000	13" reel

Characteristics(Typical)

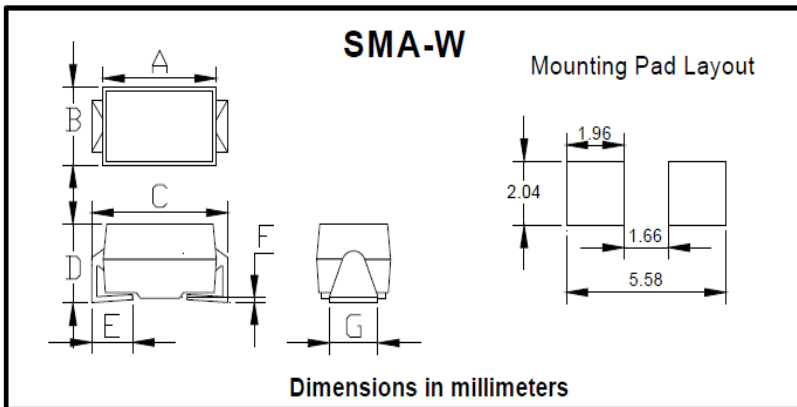




SS12 THRU SS110



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



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