



Schottky Diodes
Reverse Voltage-40to200v
Forward current-3A

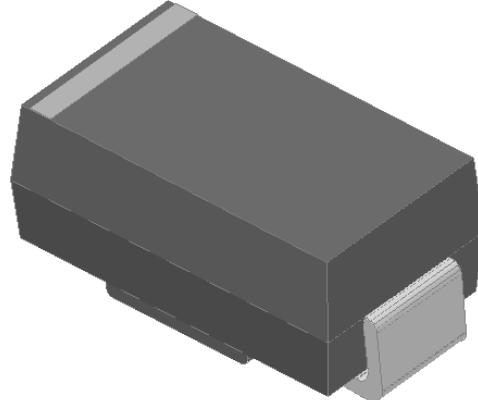
Features

Schottky chip

Ideal for surface mounted applications

Low forward voltage drop, Low power loss, high efficiency

Plastic Case Material has UL Flammability



Mechanical Data

Package: SMA

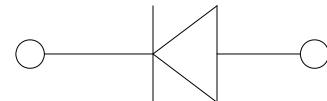
Terminals: Tin Plated leads, solderable per

Mil-STD-750 Method 2026

Polarity: As marked

Molding compound meets UL 94 V-0 flammability rating,

ROHS-compliant



Maximum Ratings (Ta=25°C Unless otherwise specified)

Type Number	SYMBOL	SS34A	SS36A	SS38A	SS310A	SS315A	SS320A	Umit
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	40	60	80	100	150	200	V
Maximum RMS Voltage	V _{RMS}	28	42	56	70	105	140	V
Maximum DC Blocking Voltage	V _{DC}	40	60	80	100	150	200	V
Maximum Average Forward Rectified Current	I _{O(AV)}				3.0			A
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM				60.0			A
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _j =25°C					120.0			A
Current squared time @1ms≤t≤8.3ms T _j =25°C, Rating of per diode	I ² t				14.9			A ² S
Maximum Forward Voltage at 3.0A DC	V _{FM}	0.55	0.75	0.85	0.92			V
Maximum Reverse Current TA = 25°C	IR	0.1			0.05			mA
at Rated DC Blocking Voltage TA = 100°C		20			10			mA
Typical Thermal Resistance	R _{QJA}				65.0			°C/W
Operating Junction Temperature Range	T _J				—55 to +150			°C
Storage Temperature Range	T _{STG}				—55 to +150			°C



FIG. 1 MAXIMUM AVERAGE FORWARD CURRENT DERATING

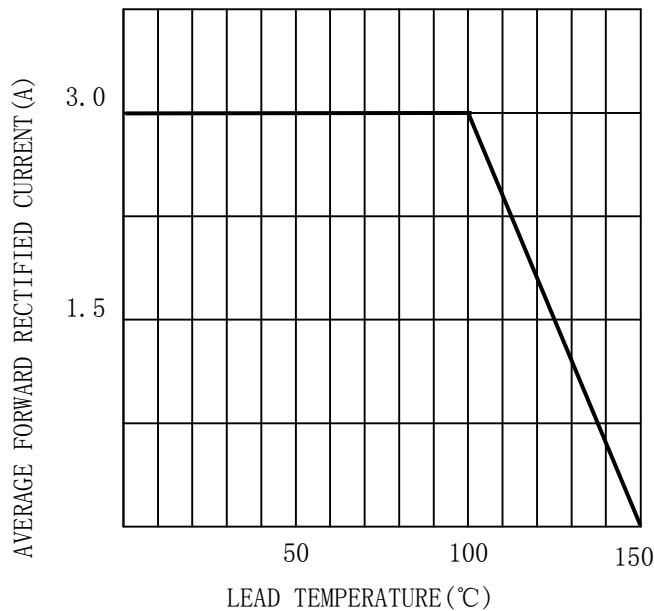


FIG. 3 MAXIMUM NON-REPETITIVE SURGE CURRENT

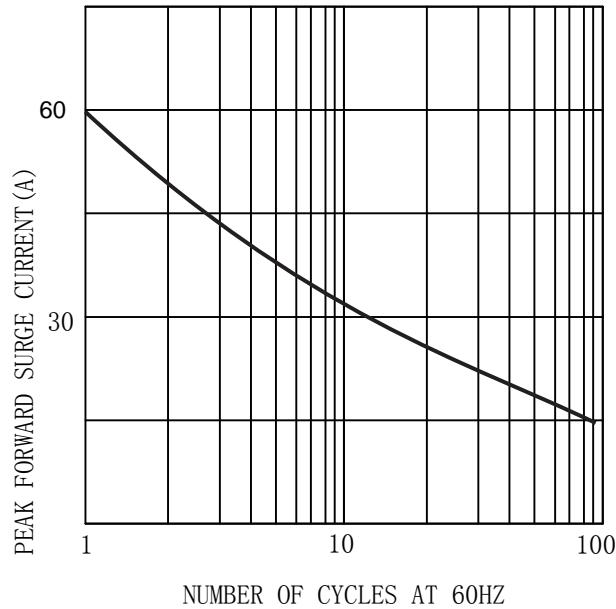


FIG. 2 TYPICAL FORWARD CHARACTERISTICS

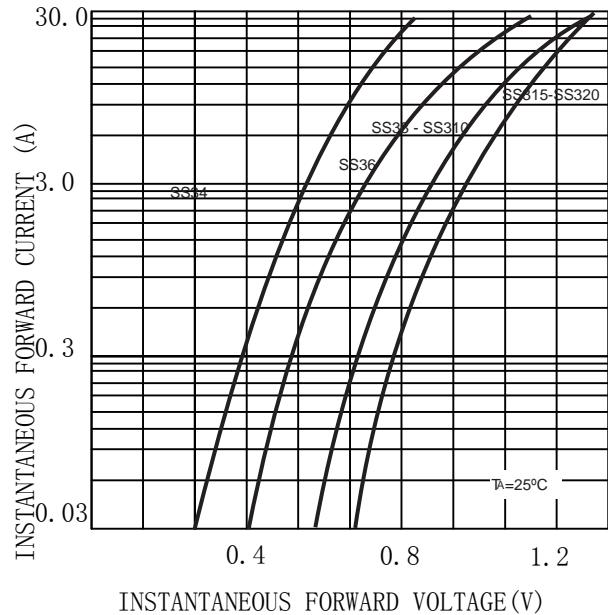
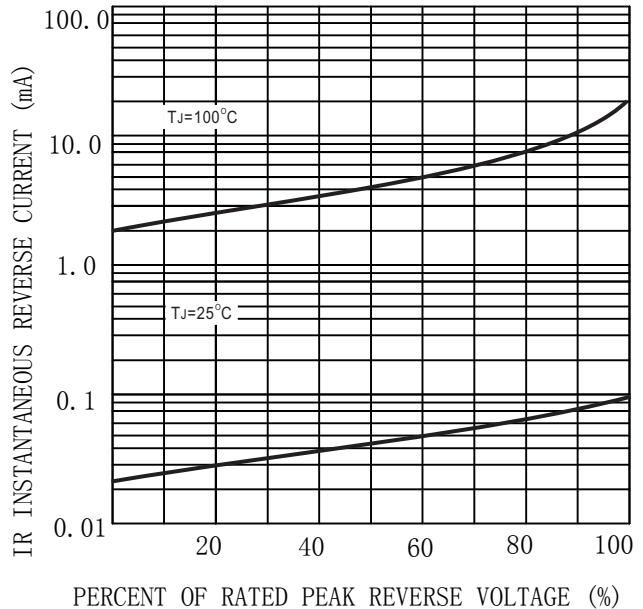


FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)





MARKING INFORMATION



= Logo

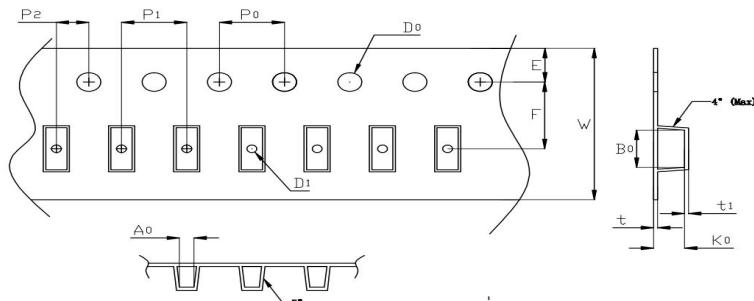
**** = Date Code Marking

SS*** = Marking Code

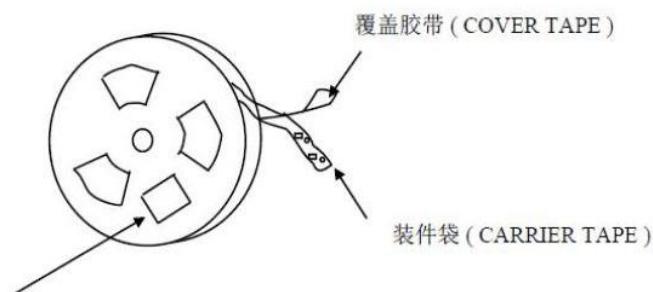
Print according to customer request

PACKING REQUIREMENTS

- Carrier tape packing



Specifications	Carrier tape type	Ao	Bo	Ko	Po	W	t	Explain
SMA	Anti-static	2.65 ± 0.10	5.20 ± 0.10	2.30 ± 0.10	4.00 ± 0.10	12.0 ± 0.10	0.20 ± 0.05	



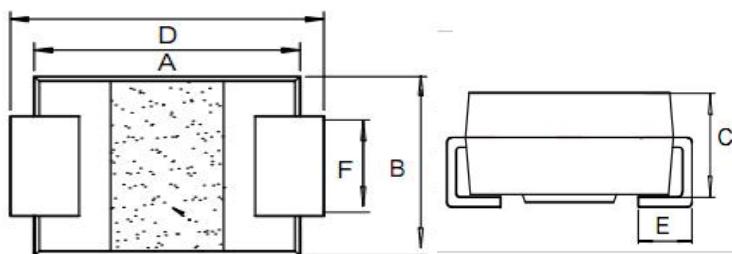
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DEVICE TYPE	Tape width	11"Reel			11"Reel		
		Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)	Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)
SMA	12mm	5000	20	100000	5000	18	90000



Outline Dimensions

SMA



SMA				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	0.16	0.18	4.05	4.65
B	0.09	0.11	2.4	2.8
C	0.07	0.09	1.8	2.3
D	0.18	0.21	4.67	5.27
E	0.04	0.06	1	1.4
F	0.05	0.06	1.2	1.6



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