SS510L

Surface mount LVF Schottky diode **Reverse Voltage100V** Forward current-5A

Features

LVF Schottky chip

Low VF, Low power losses, high efficiency Ldeal for surface mounted applications Plastic Case Material has UL Flammability

Mechanical Data

Package: SMB

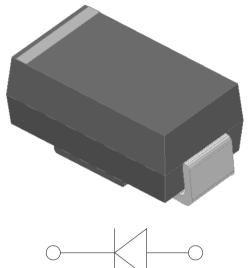
Terminals:Tin Plated leads, solderable per

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)

maximum ramigo (ra 200 omos omos mos opermos)						
SYMBOL	SS510L	Umit				
V_{RRM}	100	V				
V_{RMS}	70	V				
V_{DC}	100	V				
IO _(AV)	5.0	А				
IESM	140.0	А				
ii Givi	280.0	А				
l ² t	81.3	A ² S				
V_{FM}	0.60	V				
ID	0.1	mA				
IK	5.0					
R_{QJa}	75.0	°C/W				
R _{QJC}	30.0					
T _J	55to+150	$^{\circ}$				
T _{STG}	55to+150	$^{\circ}$ C				
	$\begin{array}{c} \text{SYMBOL} \\ V_{\text{RRM}} \\ V_{\text{RMS}} \\ V_{\text{DC}} \\ IO_{(\text{AV})} \\ \\ IFSM \\ \\ I^2t \\ V_{\text{FM}} \\ IR \\ R_{\text{QJa}} \\ R_{\text{QJC}} \\ T_{\text{J}} \\ \end{array}$	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$				



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FIG. 1MAXIMUM AVERAGE FORWARD CURRENT DERATING

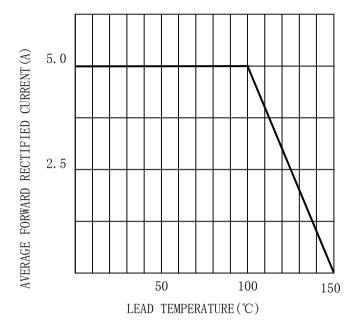


FIG. 2TYPICAL FORWARD CHARACTERISTICS

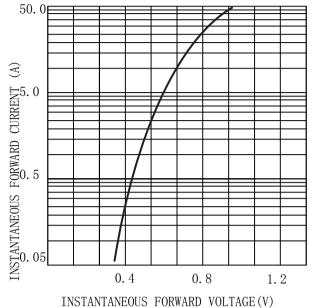


FIG. 3MAXIMUM NON-REPEITIVE SURGE CURRENT

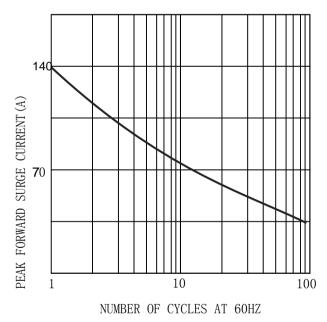
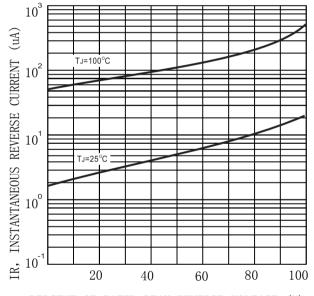


FIG. 4 TYPICAL REVERSE CHARACTERISTICS (per element)



PERCENT OF RATED PEAK REVERSE VOLTAGE (%)



MARKING INFORMATION



= Logo

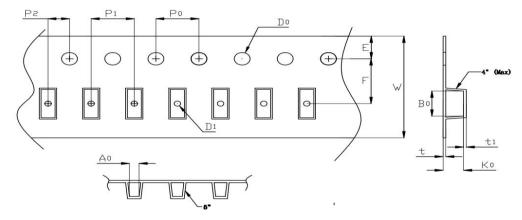
**** = Date Code Marking

SS510L = Marking Code

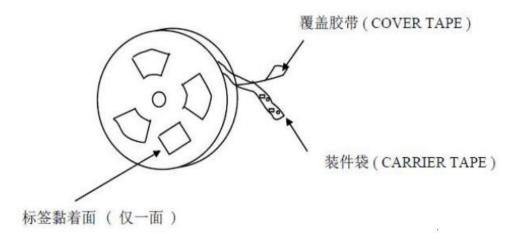
Print according to customer request

PACKING REQUIRMENTS

· Carrier tape packing



Specificati ons	Carrier tape type	Ao	Во	Ко	Ро	W	t	Exiplain
SMB	Anti-static	3.8± 0.10	5.4± 0.10	2.45± 0.10	4.00± 0.10	12.0± 0.10	0.23± 0.05	

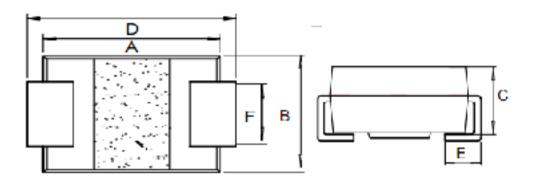


DEVICE	Tape	13"Reel		
TYPE	width	Q'TY/REEL (pcs)	BOX/CAR TOON	Q'TY/REEL (pcs)
SMB	12mm	3000	20	60000



Outline Dimensions

SMB



SMB				
DTM	INC HES		MM	
DIM	MIN	MAX	MIN	MAX
A	0. 16	0. 19	4	4.8
В	0. 13	0.15	3. 3	3. 9
С	0.08	0.10	2	2.5
D	0. 18	0.22	4.5	5. 5
Е	0.03	0.06	0.7	1.5
F	0.06	0.10	1.5	2. 5

SS510L

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