

Express recovery diode Reverse Voltage50V-600v Forward current-3A

Features

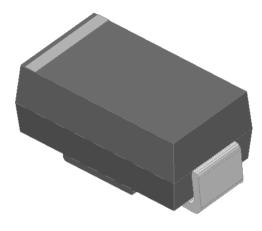
Glass passivated chip High surge current capability Ldeal for surface mounted applications Low power loss, high efficiency Plastic Case Material has UL Flammability

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)

Type Number	SYMBOL	ES3J	Umit	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	600	V	
Maximum RMS Voltage	V _{RMS}	420	V	
Maximum DC Blocking Voltage	V _{DC}	600	V	
Maximum Average Forward Rectified Current at TL = 100 $^{\circ}C$	IO _(AV)	3.0	А	
Peak Forward Surge Current 8.3ms Single half-sine-wave superimposed on rated load(JEDEC Method) on rated	IFSM	80.0	А	
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25 $^\circ\!\!\mathbb{C}$		160.0	А	
Current squared time @1ms≤t8.3≤ms Tj=25℃,Rating of per diode	l ² t	26.6	A ² S	
Maximum Forward Voltage at 3.0A DC	V _{FM}	1.7	V	
Maximum Reverse Current TA = 25°C	П	5.0	uA	
at Rated DC Blocking Voltage TA = 100 $^\circ\!\!\!\mathrm{C}$	IR	100.0		
Maximum reverse recovery time	Trr	35.0	ns	
Typical Thermal Resistance Between junction and	R _{QJa}	65.0	°C/W	
Operating Junction Temperature Range	TJ		°C	
Storage Temperature Range	T _{STG}		°C	



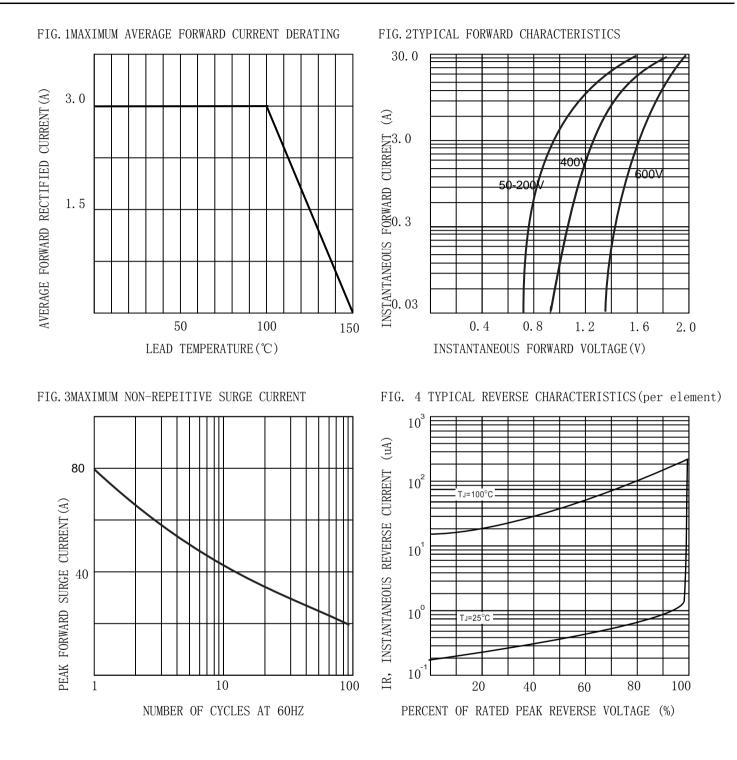




四川旭茂微科技有限公司

Sichuan Xu Mao Micro Technology Co., Ltd

ES3J





MARKING INFORMATION

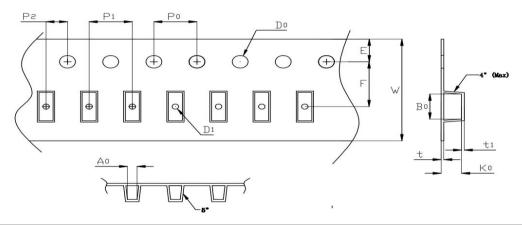


Logo
**** = Date Code Marking
ES3* = Marking Code

Print according to customer request

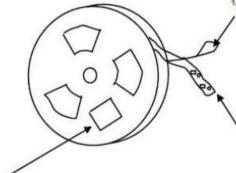
PACKING REQUIRMENTS

Carrier tape packing



Specifi	icati	Carrier	A a	Во	Ко	Ро	W	+	Exiplain
ons	5	tape type	Ao	BO	NU	FU	vv	L	слраш
SM	В	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	

覆盖胶带(COVER TAPE)



装件袋 (CARRIER TAPE)

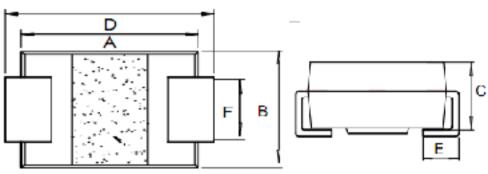
标签黏着面(仅一面)

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



Outline Dimensions

SMB



SMB					
DIM	INC HES		MM		
	MIN	MAX	MIN	MAX	
А	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	
E	0.03	0.06	0.7	1.5	
F	0.06	0.10	1.5	2.5	



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