MSKSEMI 美森科







TVC



TCC



MOV



GDT



DIED

BAS16VV-MS

Product specification



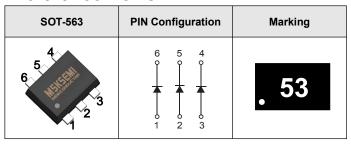


SWITCHING DIODE

FEATURE

- Fast Switching Speed
- For General Purpose Switching Applications
- High Conductance

Reference News



Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25 $^{\circ}$ C

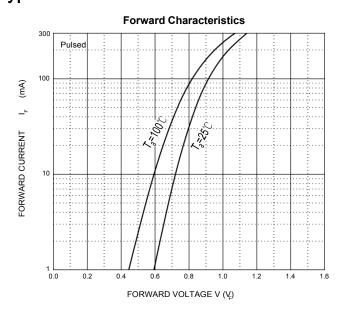
Parameter	Symbol	Limit	Unit
Non-Repetitive Peak Reverse Voltage	V_{RM}	100	V
Peak Repetitive Peak Reverse Voltage	V_{RRM}		
Working Peak Reverse Voltage	V_{RWM}	75	V
DC Blocking Voltage	V_{R}		
RMS Reverse Voltage	V _{R(RMS)}	53	V
Forward Continuous Current	I _{FM}	300	mA
Average Rectified Output Current	lo	200	mA
Non-Repetitive Peak Forward Surge Current @t=8.3ms	IFSM	2.0	А
Power Dissipation	Pd	150	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	833	°C/W
Operation Junction and Storage Temperature Range	T_{J} , T_{STG}	-55~+150	$^{\circ}$

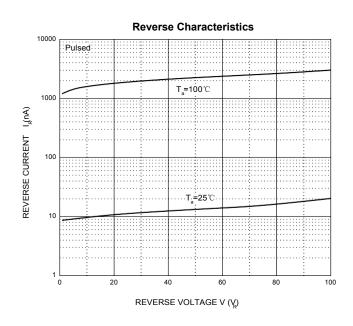
Electrical Ratings @Ta=25℃

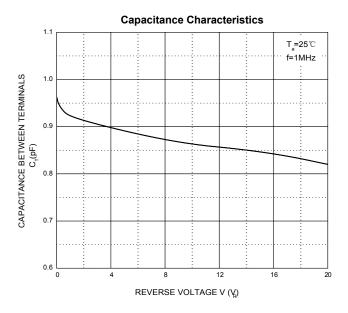
Parameter	Symbol	Min	Тур	Max	Unit	Conditions
Reverse breakdown voltage	V (BR)	75			V	I _R =100 μA
Forward voltage	V _{F1}			0.715	V	l⊧=1mA
	V _{F2}			0.855	V	l⊧=10mA
	V _{F3}			1.0	V	l⊧=50mA
	V _{F4}			1.25	V	I _F = 150mA
Reverse current	I _{R1}			1	μΑ	V _R =75V
	I _{R2}			25	nA	V _R =20V
Capacitance between terminals	Ст			2	pF	V _R =0V,f=1MHz
Reverse recovery time	t _{rr}			4	ns	I _F =I _R =10mA
	ur					Irr=0.1XI _R ,R _L =100Ω

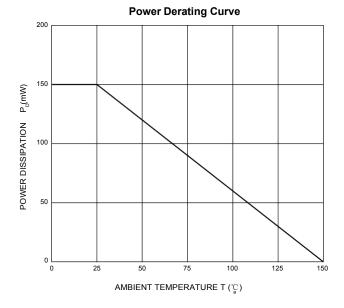


TypicalCharacteristics



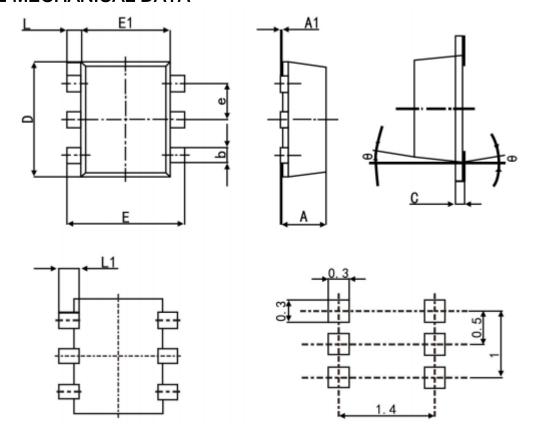








PACKAGE MECHANICAL DATA



SOT-563

		001 303			
Symbol	Dimensions In Millimeters				
Syllibol	Min.	Max.			
A	0.525	0.600			
A1	0.000	0.050			
e	0.450	0.550			
С	0.090	0.160			
D	1.500	1.700			
b	0.170	0.270			
E1	1.100	1.300			
Е	1.500	1.700			
L	0.100	0.300			
LI	0.200	0.400			
θ	7°REF.				

REELSPECIFICATION

P/N	PKG	QTY
BAS16VV-MS	SOT-563	3000



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