MSKSEMI 美森科













TVS

TSS

MOV

GDT

PIFD

1SS389

Product specification



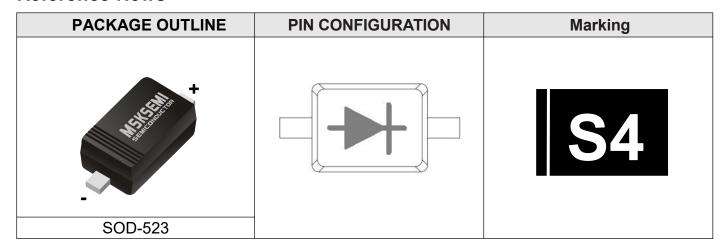


FEATURES

- High Speed
- High Reliability

- Small Package
- Low Forward Voltage

Reference News



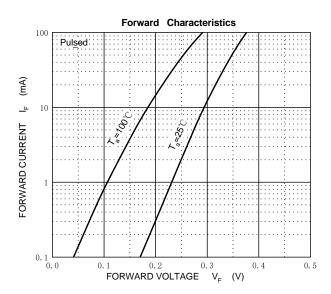
MAXIMUM RATINGS (Ta=25 $^{\circ}$ C unless otherwise noted)

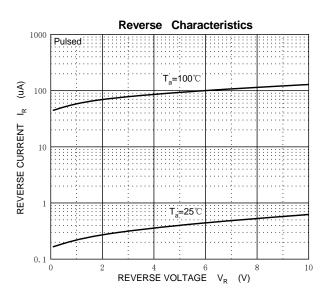
Symbol	Parameter	Value	Unit
V_R	DC Blocking Voltage	10	V
lo	Continuous Forward Current	100	mA
lгм	Peak Forward Current	200	mA
I _{FSM}	Non-repetitive Peak Forward Surge Current @t=8.3ms	1	А
P _D	Power Dissipation	150	mW
Reja	Thermal Resistance From Junction To Ambient	667	°C/W
Tj	Operating Junction Temperature Range	-40~+125	${\mathbb C}$
Tstg	Storage Temperature Range	-55~+150	$^{\circ}$

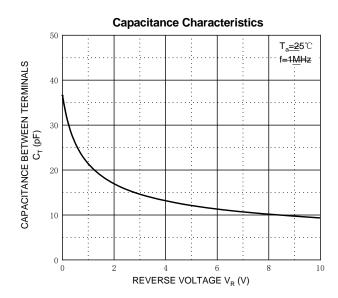
ELECTRICAL CHARACTERISTICS(Ta=25℃ unless otherwise specified)

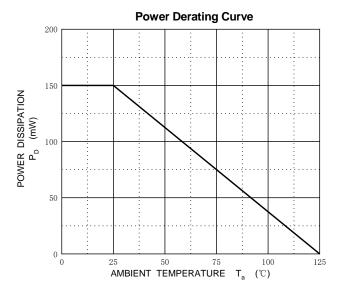
Parameter	Symbol	Test conditions	Min	Тур	Max	Unit
Reverse voltage	V _(BR)	I _R =100µA	10			V
Reverse current	lR	V _R =10V			20	μΑ
		I⊧=1mA		0.18		
Forward voltage	V _F	I⊧=5mA			0.3	V
		I⊧=100mA			0.5	
Total capacitance	Ctot	V _R =0V,f=1MHz			40	pF





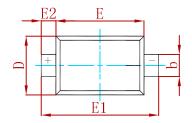


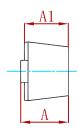


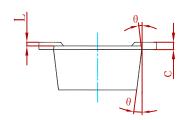




PACKAGE MECHANICAL DATA

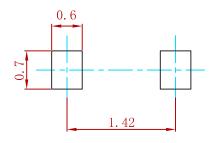






Country of	Dimensions In Millimeters		Dimensions In Inches		
Symbol	Min	Max	Min	Max	
Α	0.510	0.770	0.020	0.031	
A1	0.500	0.700	0.020	0.028	
b	0.250	0.350	0.010	0.014	
С	0.080	0.150	0.003	0.006	
D	0.750	0.850	0.030	0.033	
Е	1.100	1.300	0.043	0.051	
E1	1.500	1.700	0.059	0.067	
E2	0.20	0 REF	0.00	8 REF	
L	0.010	0.070	0.001	0.003	
θ	7°	REF	7°	REF	

Suggested Pad Layout



Note:

- Controlling dimension:in millimeters.
 General tolerance:±0.05mm.
 The pad layout is for reference purposes only.

REEL SPECIFICATION

P/N	PKG	QTY
1SS389	SOD-523	3000



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