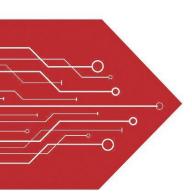
MSKSEMI















ESD

TVS

TSS

MOV

GDT

PLED

Broduct data speet





FEATURES

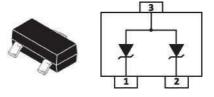
350 Watts peak pulse power per Line(tp=8/20^S) Protects one bidirectional line or two unidirectional lines Low clamping voltage RoHS Compliant

APPLICATIONS

Cellular Handsets and Accessories Portable Electronics Industrial Controls Set-Top Box Instrumentation Servers, Notebook, and Desktop PC

IECCOMPATIBILITY

IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact) IEC61000-4-4 (EFT) 40A (5/50ns)



Semiconductor

SOT-23

MAXIMUM RATINGS @25°C UNLESS OTHERWISE SPECIFIED

MAXIMUM RAT INGS @25°c UNLESS OTHERWISE SPECIFIED					
PARAMETER	SY M B OL	VALUE	UNIT		
Peak Pulse Power (tp=8/20 ps waveform)	Ррр	350	Watts		
Operadng Temperature Range	TJ	-55-125	°C		
Storage Temperature Range	Tstg	-55-150	°C		

ELECTRICAL CHARACTERISTICS PER LINE@ 25°C UNLESS OTHERWISE SPECIFIED

ELECTRICAL CHARACTERISTICS PER LINE @ 25°c UNLESS OTHERWISE SPECIFIED									
PART NUMBER	MARKING	V RWM (V) Max.	V BR (V) Min.	IT (mA)	V c @1A Max.	V Max.	' с @А	1 R (uA) Max.	Ст (рF) Мах.
MSKSM03	M03	3.3	4.0	1	6.5	15.0	25	100	400
MSKSM05	M05	5.0	6.0	1	9.8	16.0	24	10	300
MSKSM08	M08	8.0	8.5	1	13.4	19.0	18	5	250
MSKSM12	M12	12.0	13.3	1	19.0	24.0	13	1	150
MSKSM15	M15	15.0	16.7	1	24.0	28.0	6	1	100
MSKSM24	M24	24.0	26.7	1	43.0	52.0	6	1	90



Electrical Parameter

Symbol	Parameter
I _{PP}	Maximum Reverse Peak Pulse Current
Vc	Clamping Voltage @ IPP
V _{RWM}	Working Peak Reverse Voltage
I _R	Maximum Reverse Leakage Current @ V _{RWM}
I _T	Test Current
V_{BR}	Breakdown Voltage @ I _T

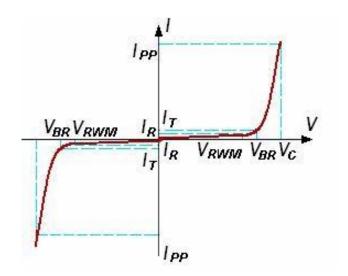


FIG1: Pulse Waveform

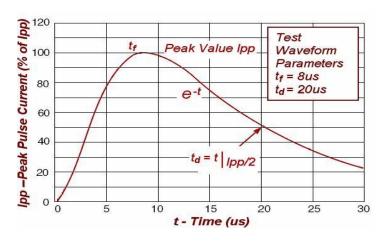
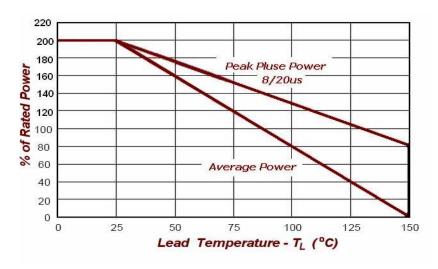
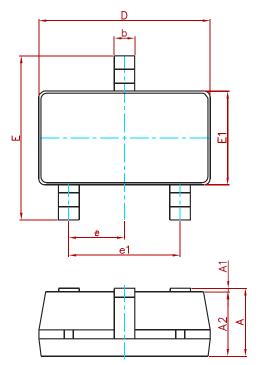


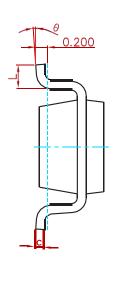
FIG2:Power Derating





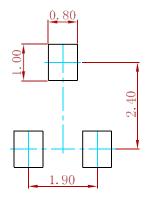
PACKAGE MECHANICAL DATA





Symbol	Dimensions I	n Millimeters	Dimensions In Inches		
Syllibol	Min.	Max.	Min.	Max.	
Α	1.050	1.250	0.041	0.049	
A1	0.000	0.100	0.000	0.004	
A2	1.050	1.150	0.041	0.045	
b	0.300	0.500	0.012	0.020	
С	0.100	0.200	0.004	0.008	
D	2.820	3.020	0.111	0.119	
E1	1.500	1.700	0.059	0.067	
Е	2.650	2.950	0.104	0.116	
е	0.950(BSC)		0.037(BSC)		
e1	1.800	2.000	0.071	0.079	
L	0.300	0.600	0.012	0.024	
0	0°	8°	0°	8°	

Suggested Pad Layout



Note:

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

REEL SPECIFICATION

P/N	PKG	QTY
MSKSM03-MSKSM24	SOT-23	3000

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