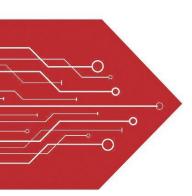
# MSKSEMI















**ESD** 

**TVS** 

**TSS** 

MOV

**GDT** 

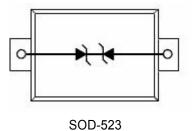
**PLED** 

Broduct data speet





- Cellular phones
- Portable devices
- Digital cameras
- Power supplies



### **Features**

- Small Body Outline Dimensions
- Low Body Height
- Peak Power up to 200 Watts @ 8 x 20 \_s
  Pulse
- Low Leakage current
- Response Time is Typically < 1 ns
- ESD Rating of Class 3 (> 16 kV) per Human Body Model
- IEC61000-4-2 Level 4 ESD Protection
- IEC61000-4-4 Level 4 EFT Protection

## Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.VF = 0.9V at IF = 10mA

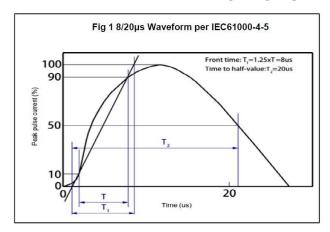
P/N	V <sub>RWM</sub> (V)	I <sub>R</sub> (uA) @ V <sub>RWM</sub>	V <sub>BR</sub> (V)@ I <sub>T</sub> (Note 1)	lτ	V <sub>C</sub> (V) @ I <sub>PP</sub> =5 A*	V <sub>C</sub> (V) @ Max I <sub>PP</sub> *	I <sub>PP</sub> (A)*	P <sub>PK</sub> (W)*	C (pF)
	Max	Max	Min	mA	Тур	Max	Max	Max	Тур
LESD5D5.0CT1G-MS	5.0	1	5.6	1.0	11.6	18.6	8	174	25

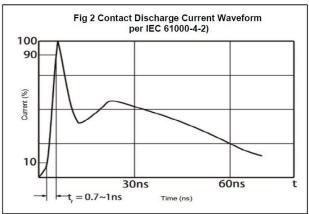
## Absolute Ratings (T<sub>amb</sub>=25°C)

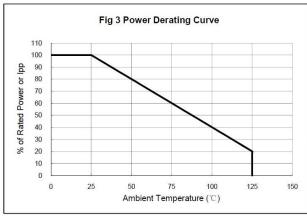
Symbol	Parameter	Value	Units
P <sub>PP</sub>	Peak Pulse Power (t <sub>p</sub> = 8/20 μ s)	200	W
TL	Maximum lead temperature for soldering during 10s	260	°C
T <sub>stg</sub>	Storage Temperature Range	-55 to +155	°C
T <sub>op</sub>	Operating Temperature Range	-40 to +125	°C
Tj	Maximum junction temperature	150	°C
	IEC61000-4-2 (ESD) air discharge contact discharge	±15 ±8	KV
	IEC61000-4-4 (EFT)	40	А
	ESD Voltage Per Human Body Model	16	KV

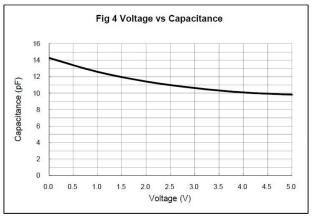


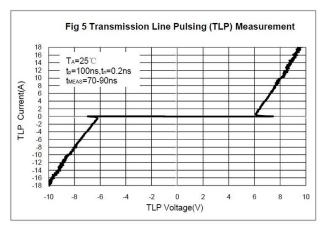
### **ELECTRICAL CHARACTERISTICS CURVE**

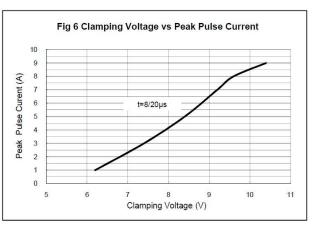










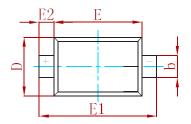


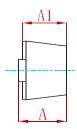


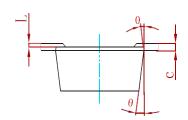
Semiconductor



# **PACKAGE MECHANICAL DATA**

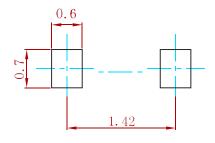






Symbol	Dimensions	In Millimeters	Dimensions In Inches		
	Min	Max	Min	Max	
Α	0.510	0.770	0.020	0.031	
A1	0.500	0.700	0.020	0.028	
b	0.250	0.350	0.010	0.014	
С	0.080	0.150	0.003	0.006	
D	0.750	0.850	0.030	0.033	
E	1.100	1.300	0.043	0.051	
E1	1.500	1.700	0.059	0.067	
E2	0.200	) REF	0.008 REF		
L	0.010	0.070	0.001	0.003	
0	7° F	REF	7° REF		

# **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
LESD5D5.0CT1G-MS	SOD-523	3000



Semiconductor

Compiance

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