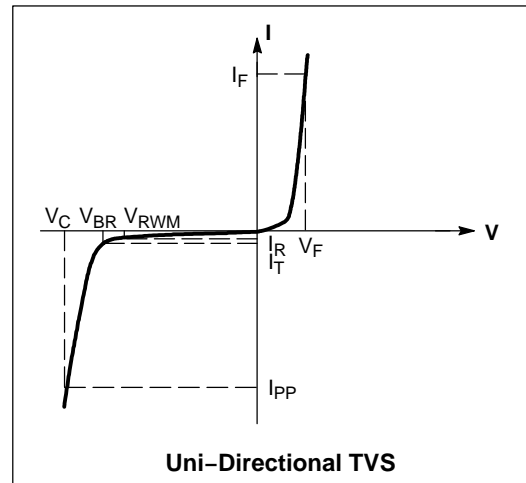


LESD8D8.0T5G

ELECTRICAL CHARACTERISTICS

(T_A = 25°C unless otherwise noted)

Symbol	Parameter
I _{PP}	Maximum Reverse Peak Pulse Current
V _C	Clamping Voltage @ I _{PP}
V _{RWM}	Working Peak Reverse Voltage
I _R	Maximum Reverse Leakage Current @ V _{RWM}
V _{BR}	Breakdown Voltage @ I _T
I _T	Test Current
I _F	Forward Current
V _F	Forward Voltage @ I _F
P _{pk}	Peak Power Dissipation
C	Capacitance @ V _R = 0 and f = 1.0 MHz



ELECTRICAL CHARACTERISTICS

Parameter	Symbol	Min	Typ	Max	Unit	Test Condition
Reverse Working Voltage	V _{RWM}			8	V	
Breakdown Voltage	V _{BR}	8.5	9.5	10.5	V	I _R = 1mA
Peak Pulse Current (8/20μs)	I _{PP}			25	A	
Reverse Leakage Current	I _R			2	μA	V _{RM} = 8V
Clamping Voltage	V _C		10.5		V	I _{PP} = 2A (8 x 20μs pulse)
			16	18	V	I _{PP} = 25A(8 x 20μs pulse)
ESD Clamping Voltage	V _C		13		V	I _{PP} = 16A(tp = 100ns (TLP))
Junction Capacitance	C _J		150		pF	V _R = 0V, f = 1MHz

LESD8D8.0T5G

Typical Performance Characteristics (T_A=25°C unless otherwise Specified)

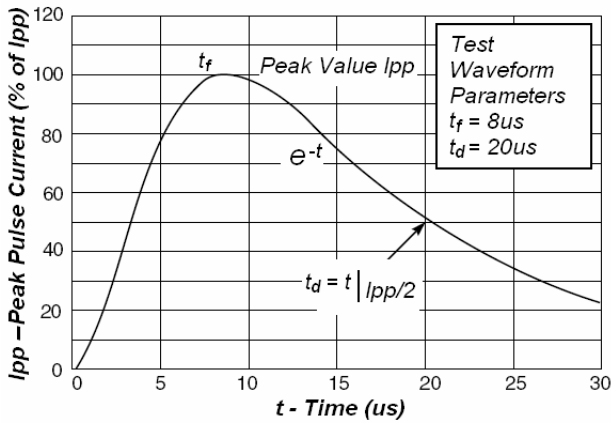


Fig1. Pulse Waveform

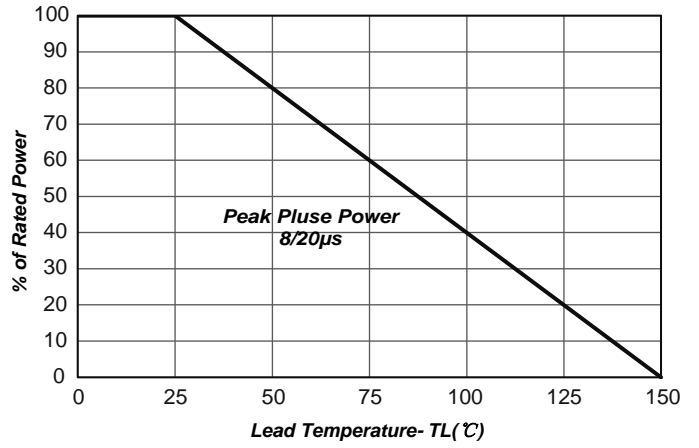


Fig2. Power Derating Curve

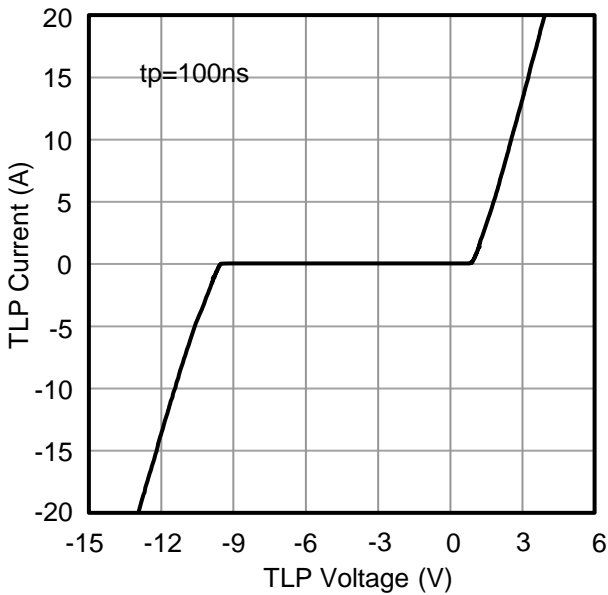


Fig3. TLP Measurement

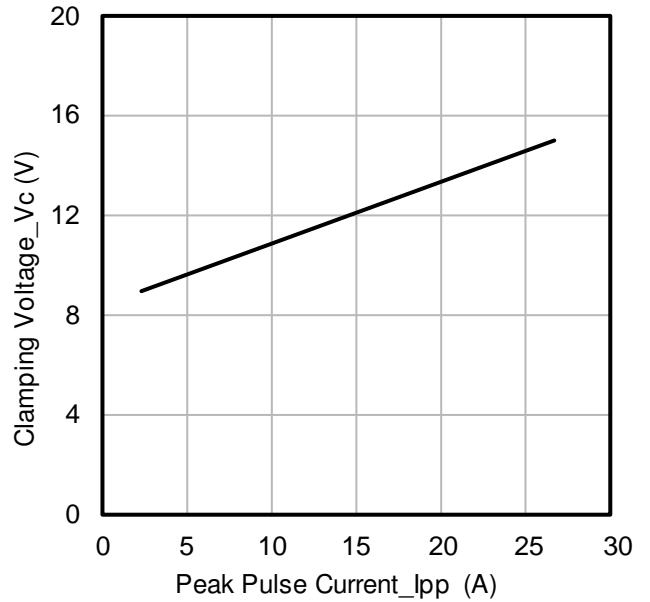
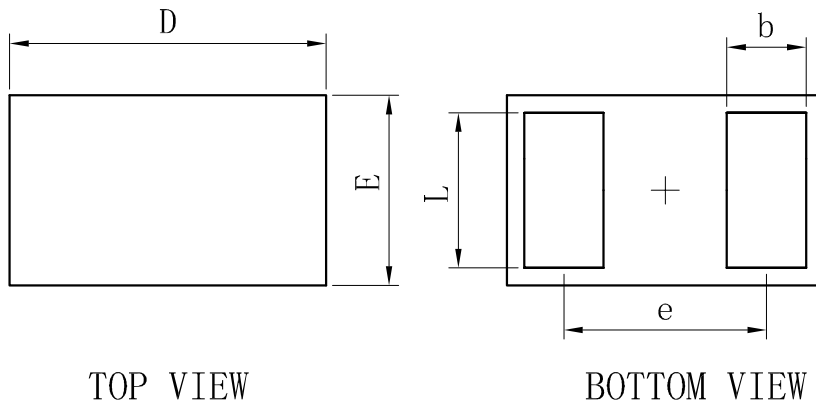


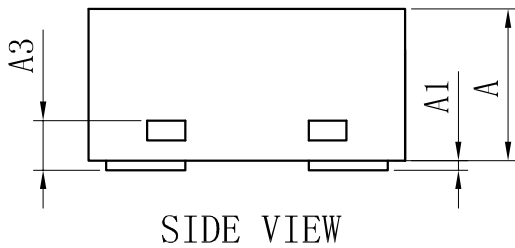
Fig4. Clamping Voltage vs. Peak Pulse Current

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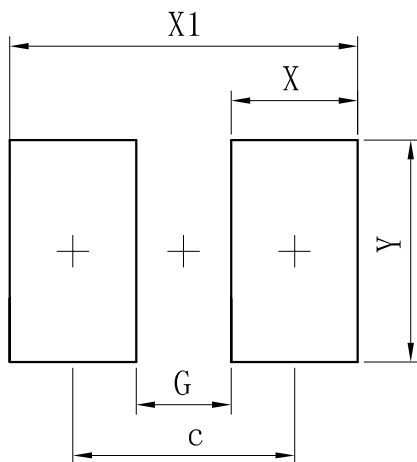
OUTLINE AND DIMENSIONS



SOD882			
Dim	Min	Typ	Max
D	0.95	1.00	1.05
E	0.55	0.60	0.65
e	-	0.64	-
L	0.44	0.49	0.54
b	0.20	0.25	0.30
A	0.43	0.48	0.53
A1	0	-	0.05
A3	0.127REF.		
All Dimensions in mm			



SOLDERING FOOTPRINT



Dimensions	(mm)
c	0.70
G	0.30
X	0.40
X1	1.10
Y	0.70

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