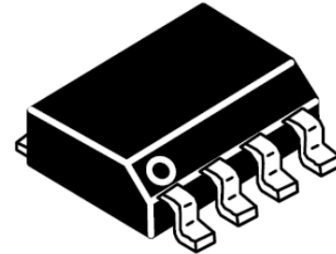


Features

- 650 Watts Peak Pulse Power per Line (tp=8/20μs)
- Protects two line pairs (four lines)
- Low capacitance
- RoHS Compliant
- IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact) -- A Pair
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (Lightning) 40A (8/20μs) -- A Pair

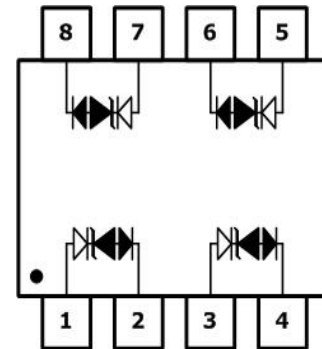
Dimensions SOP-08



Applications

- 10/100/1000 Ethernet
- WAN/LAN Equipment
- Test & Measurement Equipment
- Switching Systems
- Instrumentation
- Audio/Video Inputs

Pin Configuration



Mechanical Characteristics

- JEDEC SOP-08 Package
- Molding Compound Flammability Rating : UL 94V-O
- Weight 70 Milligrams (Approximate)
- Quantity Per Reel : 2,500pcs
- Reel Size : 13 inch
- Lead Finish : Lead Free

Absolute Maximum Ratings (Tamb=25°C unless otherwise specified)

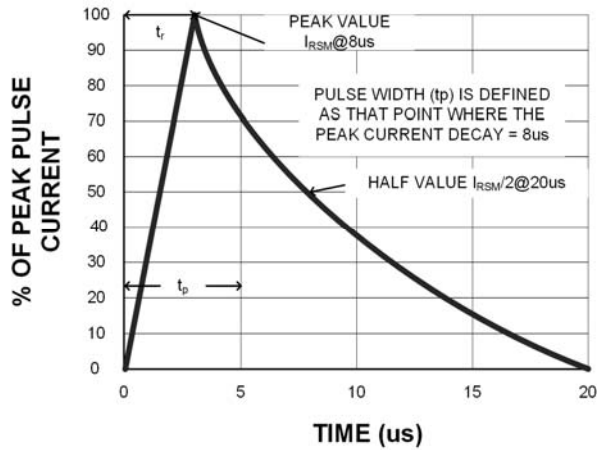
Parameter	Symbol	Value	Unit
Peak Pulse Power (8/20μs)	Ppp	650	W
ESD per IEC 61000-4-2 (Air)	VESD	±30	Kv
ESD per IEC 61000-4-2 (Contact)		±30	
Operating Temperature Range	TJ	-55 to +125	°C
Storage Temperature Range	TSTJ	-55 to +150	°C

Electrical Characteristics (TA=25°C unless otherwise specified)

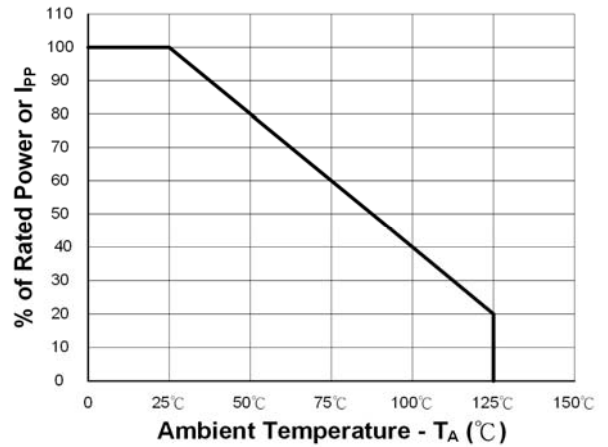
PART NUMBER	DEVICE MARKING	V_{RWM}	V_B	I_T	V_C	V_C		I_R	C_T
		(V) (max.)	(V) (min.)	(mA)	@1A (max.)	(max.)	(@A)	(Note 2) (μ A) (max.)	(pF) (max.)
SLDD3.3-4	SLDD 3.3-4	3.3	3.5	1	5.5	9.5	12	0.1	2.5
				V_C		V_C			
				(max.)	(@A)	(max.)	(@A)		
				14.5	25	20.5	39		

TYPIC CHARACTERISTICS

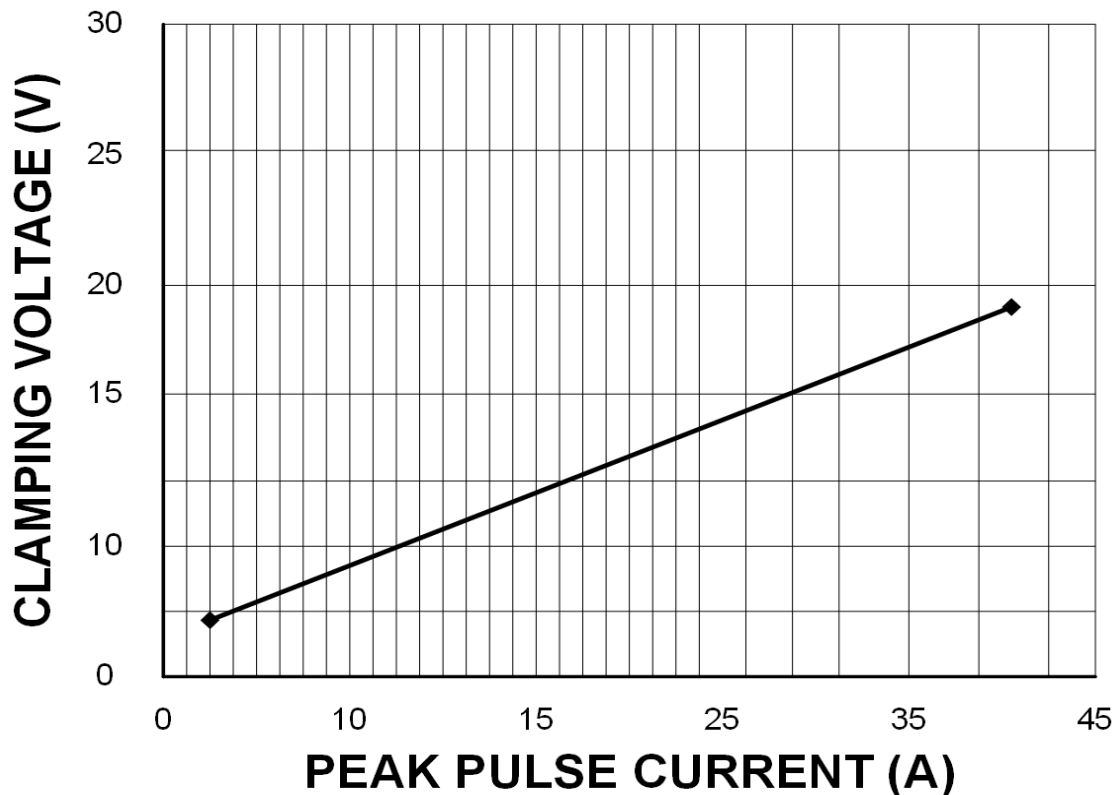
8 x 20 μ s Waveform



Power Derating Curve

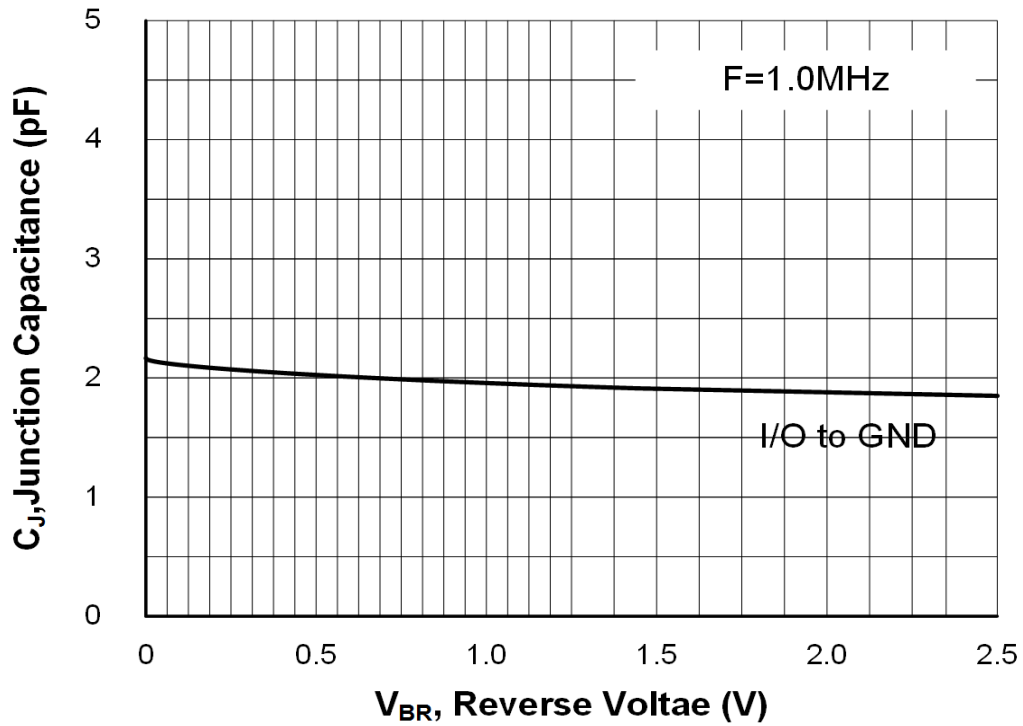


Clamping Voltage vs. Peak Pulse Current ($t_p=8/20\mu s$)

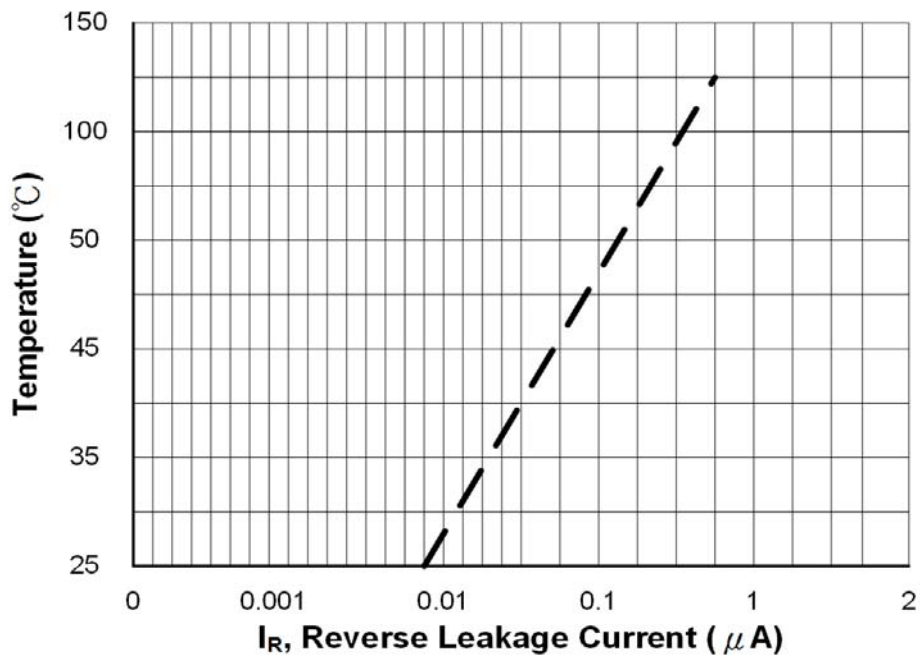


TYPIC CHARACTERISTICS

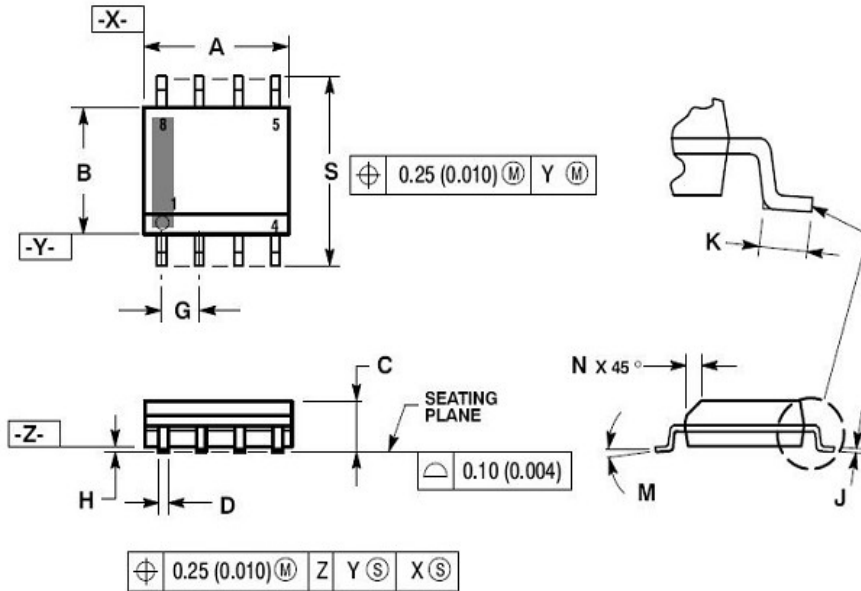
Typic Capacitance vs. Reverse Voltage



Typic Reverse Leakage vs. Temperature



SOP-08 PACKAGE OUTLINE & DIMENSIONS



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	4.80	5.00	0.189	0.197
B	3.80	4.00	0.150	0.157
C	1.35	1.75	0.053	0.069
D	0.33	0.51	0.013	0.020
G	1.27 BSC		0.050 BSC	
H	0.10	0.25	0.004	0.010
J	0.19	0.25	0.007	0.010
K	0.40	1.27	0.016	0.050
M	0 °	8 °	0 °	8 °
N	0.25	0.50	0.010	0.020
S	5.80	6.20	0.228	0.244

* SOLDERING FOOTPRINT

