

## APPLICATIONS

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

## IEC COMPATIBILITY

- ✧ IEC61000-4-2 (ESD)  $\pm 15\text{kV}$  (air),  $\pm 8\text{kV}$  (contact).
- ✧ IEC61000-4-4 (EFT) 40A (5/50ns).
- ✧ IEC61000-4-5 (Lightning) 24A (8/20 $\mu\text{s}$ ).

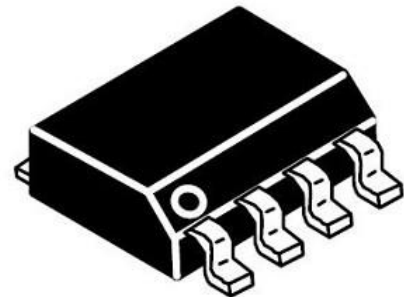
## FEATURES

- ✧ 400 Watts Peak Pulse Power per Line ( $t_p=8/20\mu\text{s}$ ).
- ✧ Protects two line pairs (four lines).
- ✧ Low capacitance.
- ✧ RoHS Compliant.

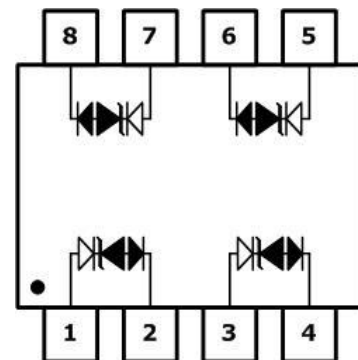
## MECHANICAL CHARACTERISTICS

- ✧ JEDEC SOP-08 Package.
- ✧ Molding Compound Flammability Rating : UL 94V-O.
- ✧ Weight 70 Milligrams (Approximate).
- ✧ Quantity Per Reel : 2500pcs.
- ✧ Reel Size : 7 inch.
- ✧ Lead Finish : Lead Free.

**SOP-08**



**PIN CONFIGURATION**

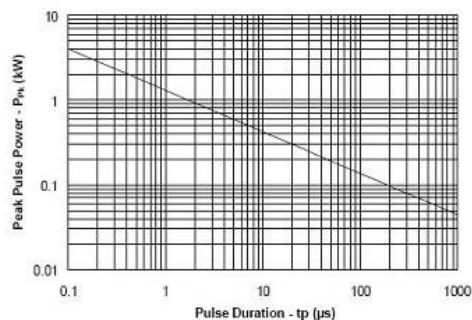
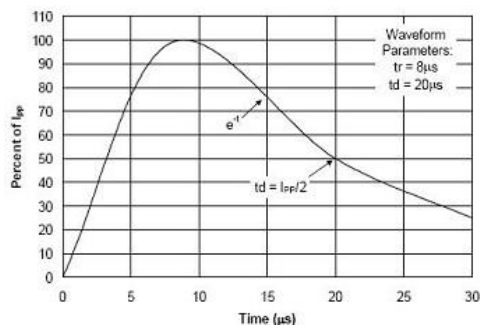
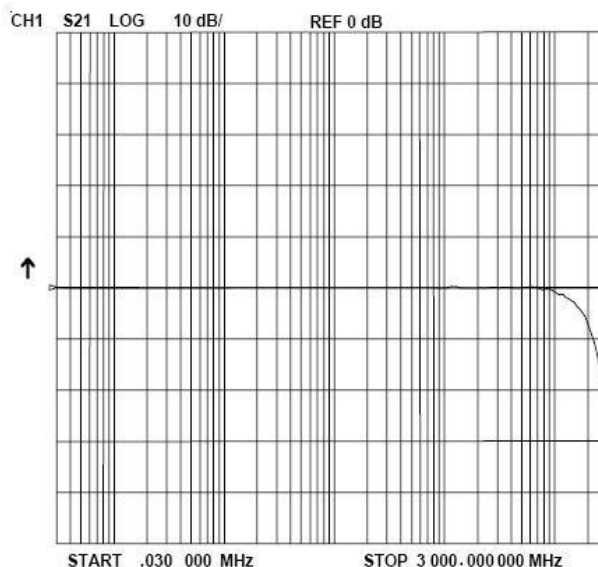


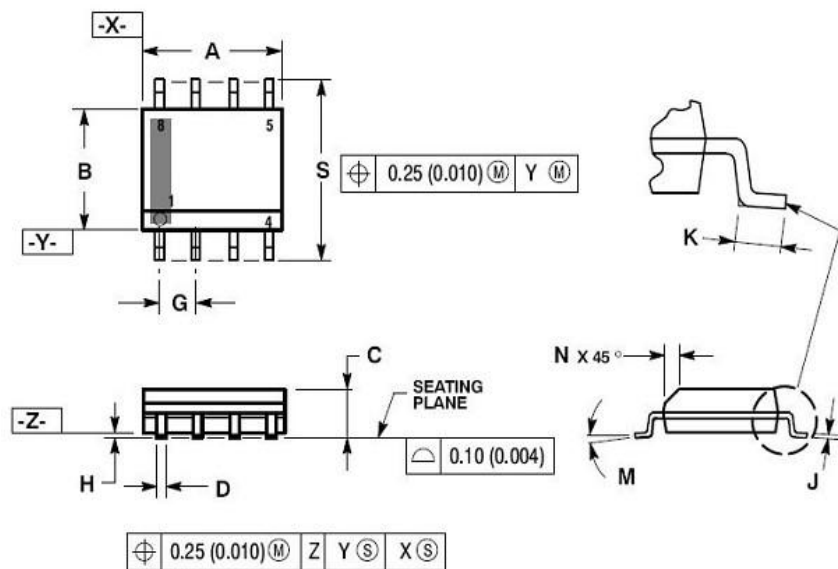
**DEVICE CHARACTERISTICS**
**MAXIMUM RATINGS (@ 25°C Unless Otherwise Specified)**

PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power (tp=8/20μs waveform)	P <sub>PP</sub>	400	Watts
Lead Soldering Temperature	T <sub>L</sub>	260 (10 sec.)	°C
Operating Temperature Range	T <sub>J</sub>	-55 ~ 150	°C
Storage Temperature Range	T <sub>STG</sub>	-55 ~ 150	°C

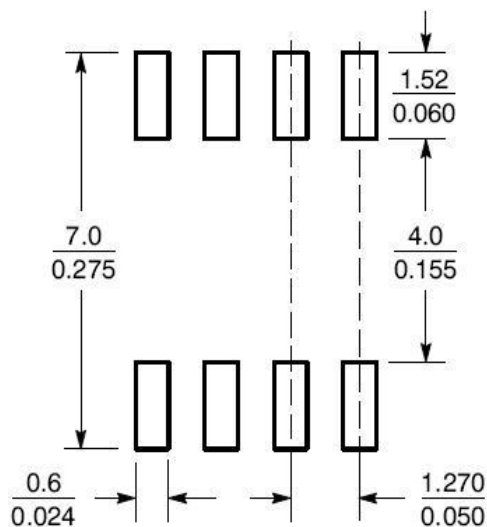
**ELECTRICAL CHARACTERISTICS PER LINE (@ 25°C Unless Otherwise Specified)**

PART NUMBER	DEVICE MARKING	V <sub>RWM</sub> (V) (max.)	V <sub>B</sub> (V) (min.)	I <sub>T</sub> (mA)	V <sub>C</sub> @5A (max.)	V <sub>C</sub> (max.) (@A)		I <sub>R</sub> (μA) (max.)	C <sub>T</sub> (pF) (typ.)
SLVU2.8-4	SLVU 2.8-4	2.8	3.0	1	8.5	22	24	1	2

**Non-Repetitive Peak Pulse Power vs. Pulse Time**

**Pulse Waveform**

**Insertion Loss S21**


**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**

 Website: <http://www.jksemi.com>

For additional information, please contact your local Sales Representative.

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