

APPLICATIONS

- ✧ 10/100 Ethernet.
- ✧ WAN/LAN Equipment.
- ✧ Test & Measurement Equipment.
- ✧ Switching Systems.
- ✧ Instrumentation.
- ✧ DSLAMs.
- ✧ Base Stations.
- ✧ Analog Inputs.

IEC COMPATIBILITY

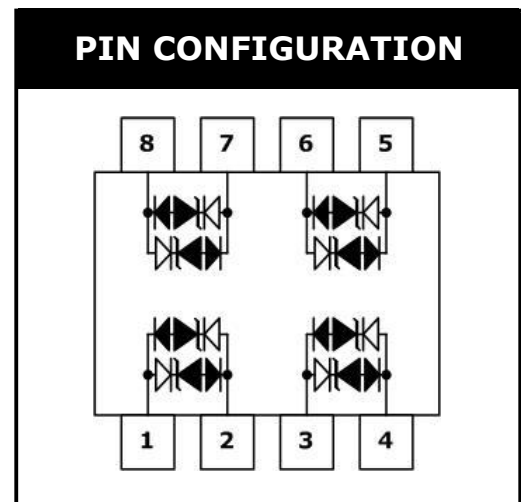
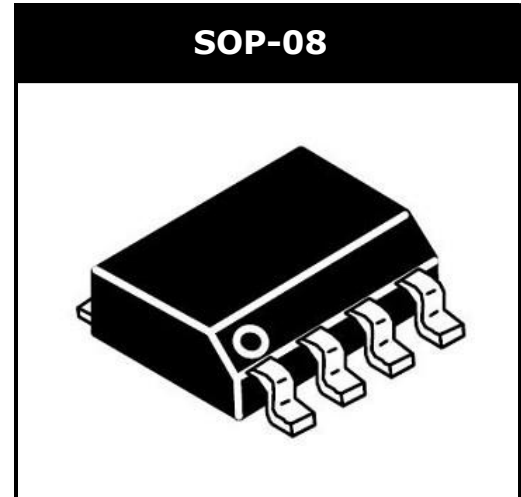
- ✧ IEC61000-4-2 (ESD) $\pm 15\text{kV}$ (air), $\pm 8\text{kV}$ (contact).
- ✧ IEC61000-4-4 (EFT) 40A (5/50ns).
- ✧ IEC61000-4-5 (Lightning) 25A (8/20 μs).

FEATURES

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

MECHANICAL CHARACTERISTICS

- ✧ JEDEC SOP-08 Package.
- ✧ Molding Compound Flammability Rating : UL 94V-O.
- ✧ Weight 70 Milligrams (Approximate).
- ✧ Quantity Per Reel : 500pcs.
- ✧ Reel Size : 7 inch.
- ✧ Lead Finish : Lead Free.

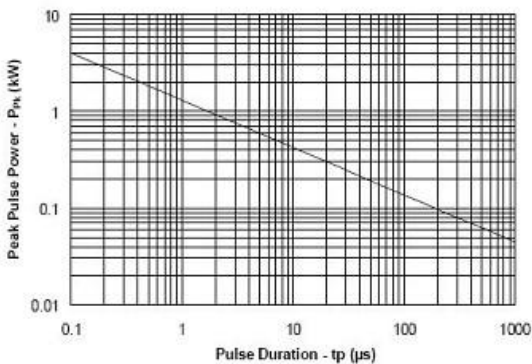
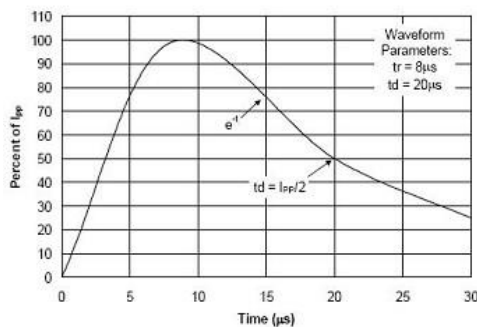
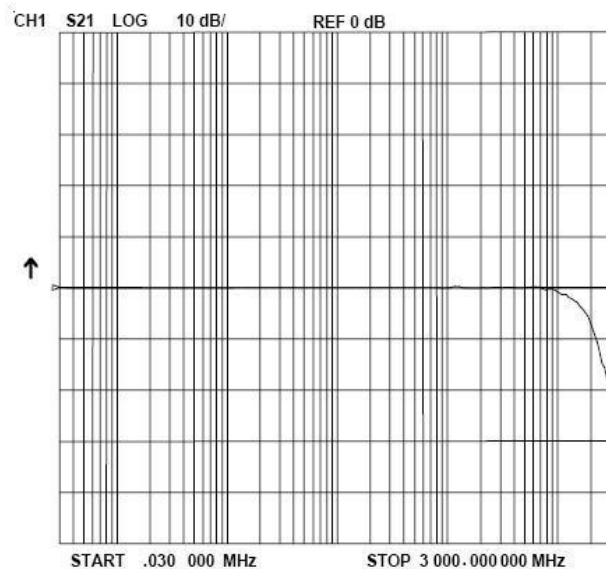


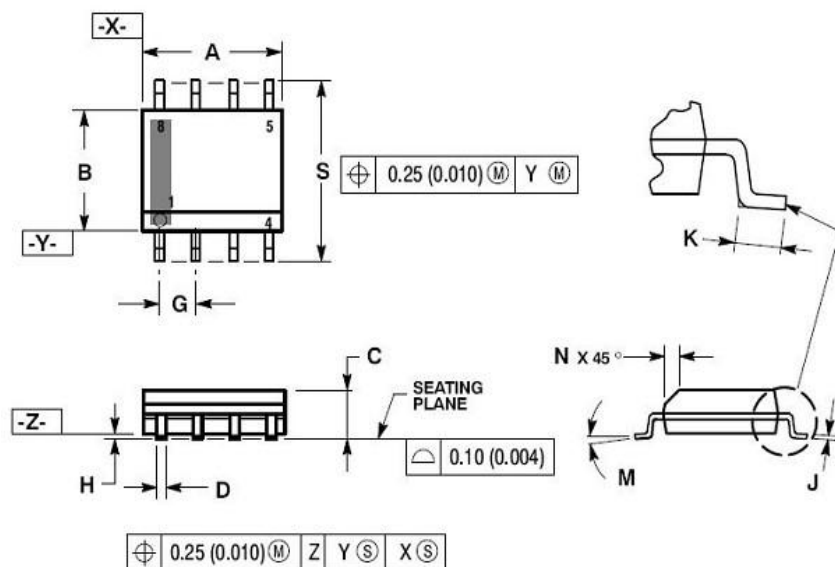
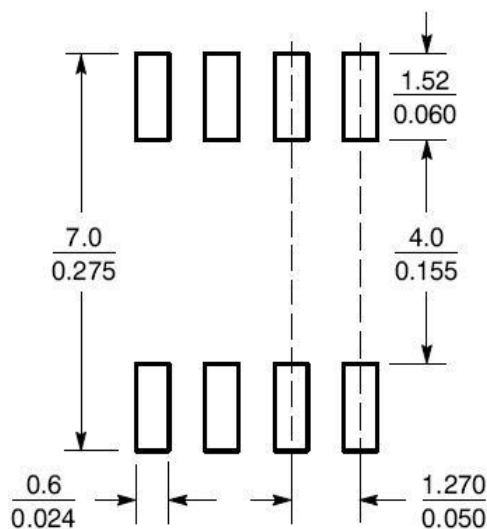
DEVICE CHARACTERISTICS
MAXIMUM RATINGS (@ 25°C Unless Otherwise Specified)

PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power (tp=8/20μs waveform)	P _{PP}	600	Watts
Lead Soldering Temperature	T _L	260 (10 sec.)	°C
Operating Temperature Range	T _J	-55 ~ 150	°C
Storage Temperature Range	T _{STG}	-55 ~ 150	°C

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

PART NUMBER	DEVICE MARKING	V _{RWM} (V) (max.)	V _B (V) (min.)	I _T (mA)	V _C @5A (max.)	V _C (max.) (@A)		I _R (μA) (max.)	C _T (pF) (typ.)
SLVU2.8-8	2.8-8	2.8	3.0	1	8.5	24	25	1	7

Non-Repetitive Peak Pulse Power vs. Pulse Time

Pulse Waveform

Insertion Loss S21


SOP-08 PACKAGE OUTLINE & DIMENSIONS

*** SOLDERING FOOTPRINT**

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

For additional information, please contact your local Sales Representative.

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