

APPLICATIONS

- ✧ 10/100/1000 Ethernet.
- ✧ WAN/LAN Equipment.
- ✧ Test & Measurement Equipment.
- ✧ Switching Systems.
- ✧ Instrumentation.
- ✧ Latch-Up Protection.

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 μs).

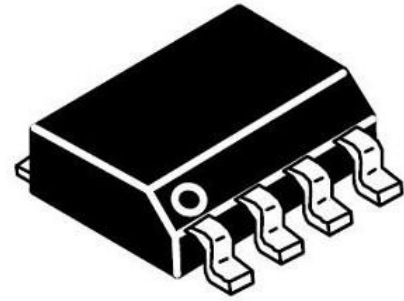
FEATURES

- ✧ 24A Peak Pulse Power per Line ($t_p=8/20\mu\text{s}$).
- ✧ Protects four I/O lines.
- ✧ Low capacitance.
- ✧ RoHS Compliant.

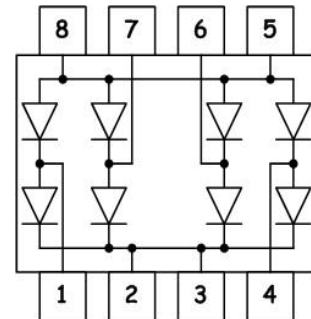
MECHANICAL CHARACTERISTICS

- ✧ JEDEC SOP-08 Package.
- ✧ Molding Compound Flammability Rating : UL 94V-O.
- ✧ Weight 70 Milligrams (Approximate).
- ✧ Quantity Per Reel : 2,500pcs.
- ✧ Reel Size : 7 inch.
- ✧ Lead Finish : Lead Free.

SOP-08



PIN CONFIGURATION

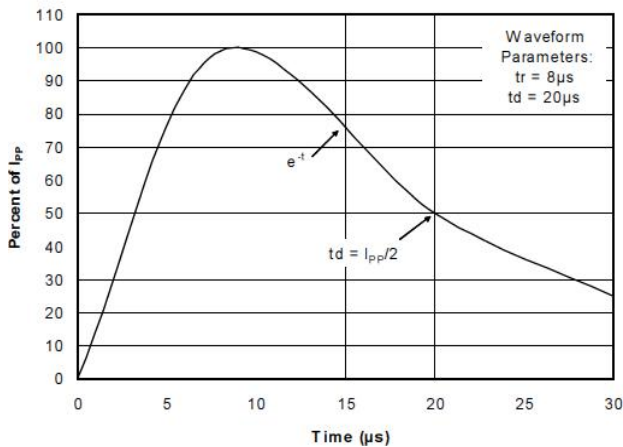
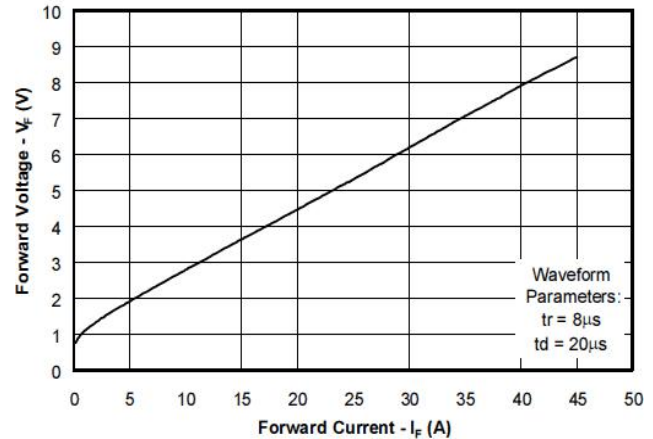


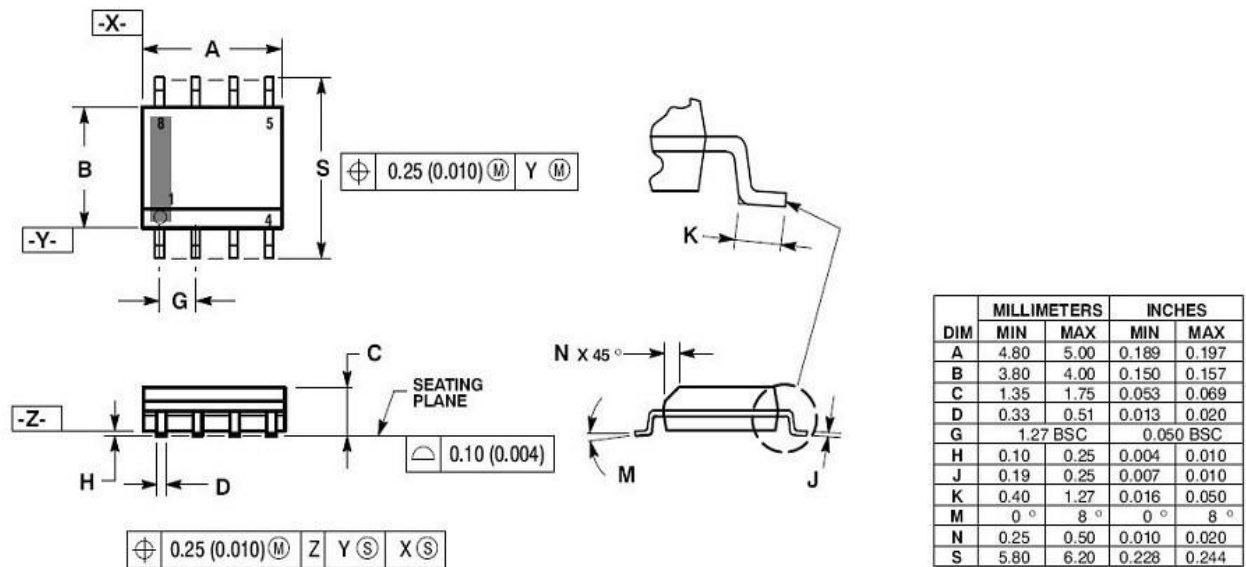
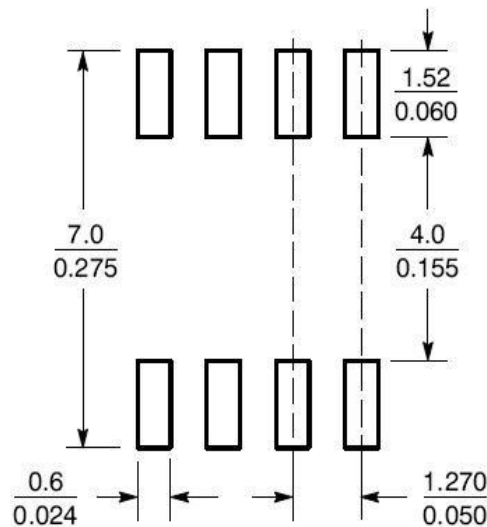
DEVICE CHARACTERISTICS
MAXIMUM RATINGS (@ 25°C Unless Otherwise Specified)

PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Amp. (tp=8/20μs waveform)	P _{PP}	24	A
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 _{RRM}	V _B	I _T	V _C	V _C		I _R	C _T
		(V) (max.)	(V) (min.)	(mA)	@1A (max.)	(max.)	(@A)	(μA) (max.)	(pF) (typ.)
SRDA250-4	SRDA 250-4	200	250	1	1.3	3.3	10	0.1	3

Pulse Waveform

Foward Voltage vs. Forward Current


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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