LC03CI THRU LC24CI

STANDARD CAPACITANCE TVS ARRAY / ESD ARRAY

APPLICATIONS

- Cell Phone Handsets and Accessories
- Microprocessor based equipment
- Personal Digital Assistants (PDA's)
- Notebooks, Desktops, and Servers
- Portable Instrumentation
- Peripherals
- USB Interface

RoHS Compliant

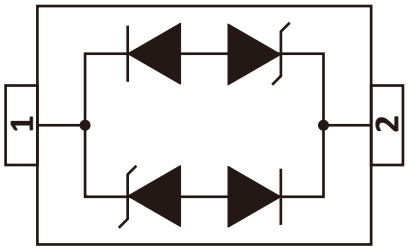
PACKAGE : SOD-323



IEC COMPATIBILITY

- IEC61000-4-2 (ESD) ±15kV (air), ±8kV (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (Lightning) 12A (8/20μs)

PIN CONFIGURATION



BIDIRECTIONAL

FEATURES

- 350 Watts Peak Pulse Power per Line (tp=8/20μs)
- Protects one I/O or power line
- Low clamping voltage
- Working voltages: 3V, 5V, 12V, 15V, 24V
- Low leakage current

MECHANICAL CHARACTERISTICS

- JEDEC SOD-323 Package
- Molding Compound Flammability Rating : UL 94V-O
- Weight 5 Millgrams (Approximate)
- Quantity Per Reel : 3,000pcs
- Reel Size : 7 inch
- Lead Finish : Lead Free

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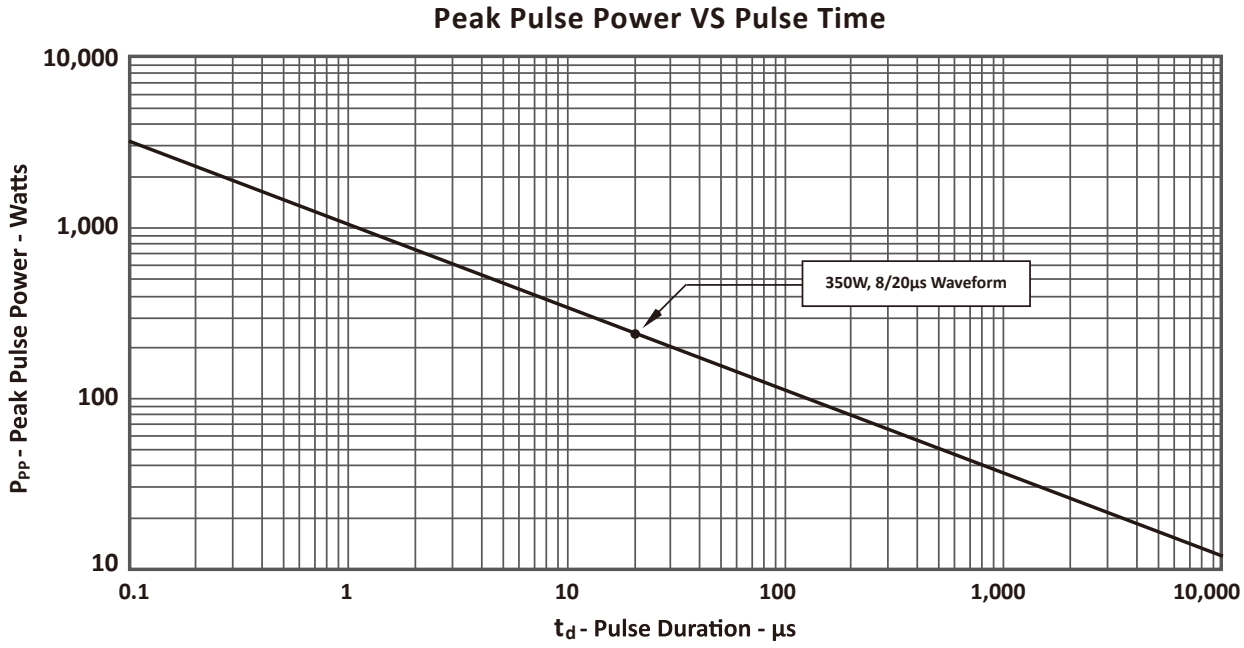
DIVICE CHARACTERISTIC

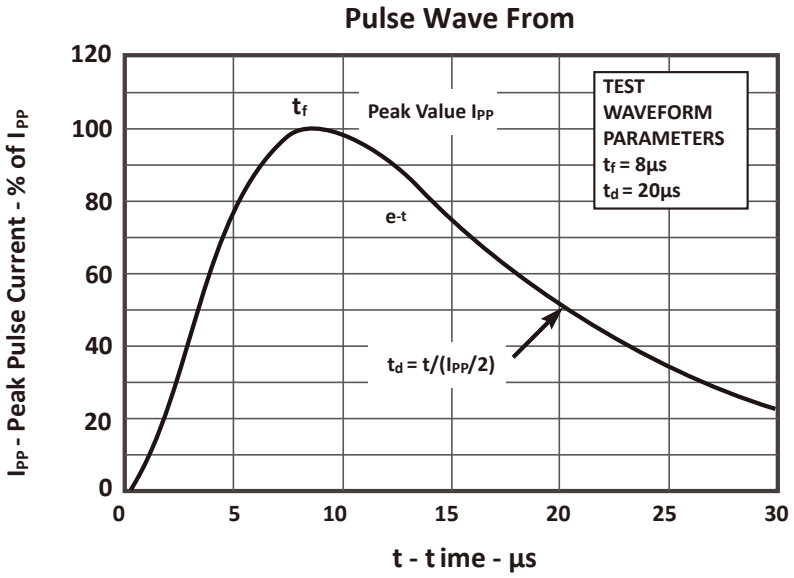
MAXIMUM RATINGS @ 25°C Unless Otherwise Specified			
PARAMETER	SYMBOL	VALUE	UNITS
Peak Pulse Power (tp=8/20μs waveform)	P_{PP}	350	Watts
Lead Soldering Temperature	T_L	260 (10 sec.)	℃
Operating Temperature Range	T_J	-55 ~ 150	℃
Storage Temperature Range	T_{STG}	-55 ~ 150	℃

ELECTRICAL CHARACTERISTICS PER LINE @ 25°C Unless Otherwise Specified								
PART NUMBER	V_{RWM} (V) (max.)	V_B (V) (min.)	I_T (mA)	V_C @1A (max.)	V_C (max.)	(@A)	I_R (μA) (max.)	C_T (pF) (max.)
LC03CI	3.0	4.0	1	5.15	13.9	8	20	0.4
LC05CI	5.0	6.0	1	9.80	18.3	8	5	0.4
LC08CI	8.0	8.5	1	13.40	18.5	8	2	0.4
LC12CI	12.0	13.3	1	19.00	28.6	6	1	0.4
LC15CI	15.0	16.7	1	24.00	31.8	5	1	0.4
LC24CI	24.0	26.7	1	43.00	56.0	3	1	0.4

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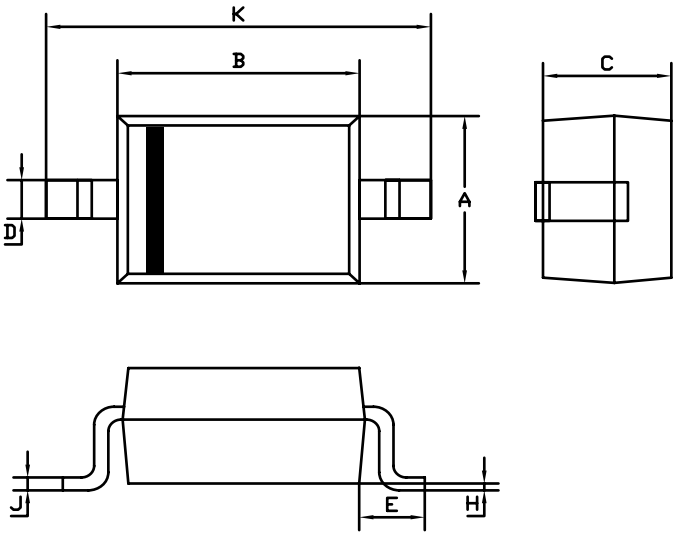




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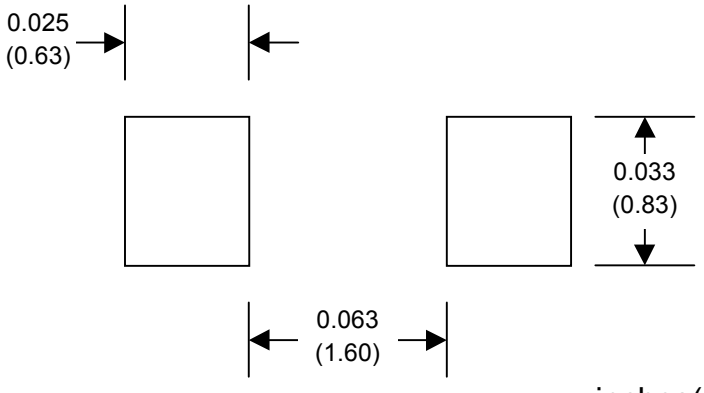
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SOD-323 PACKAGE OUTLINE & DIMENTIONS



SOD-323		
Dim	Min	Max
A	1.275	1.325
B	1.675	1.725
C	0.9 Typical	
D	0.25	0.35
E	0.27	0.37
H	0.02	0.1
J	0.1 Typical	
K	2.6	2.7
All Dimensions in mm		

SUGGESTED SOLDER PAD LAYOUT



inches(mm)