

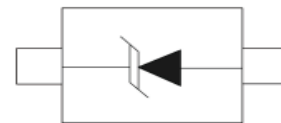


FEATURES

- 2000 Watts peak pulse power per line ($t_P=8/20\mu s$)
- Solid-state silicon-avalanche technology
- Protects one uni-directional I/O line
- Low clamping voltage
- Working voltage:5V
- Low leakage current
- High surge capability
- RoHS compliant



SOD-323



Pin Configuration

MAIN APPLICATIONS

- Cell phone handsets and accessories
- Microprocessor based equipment
- Personal digital assistants (PDA's)
- Notebooks, desktops, and servers
- Portable instrumentation
- Power lines
- Peripherals

PROTECTION SOLUTION TO MEET

- IEC61000-4-2 (ESD) $\pm 30kV$ (air), $\pm 30kV$ (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- IEC61000-4-5 (Lightning) 110A (8/20 μs)

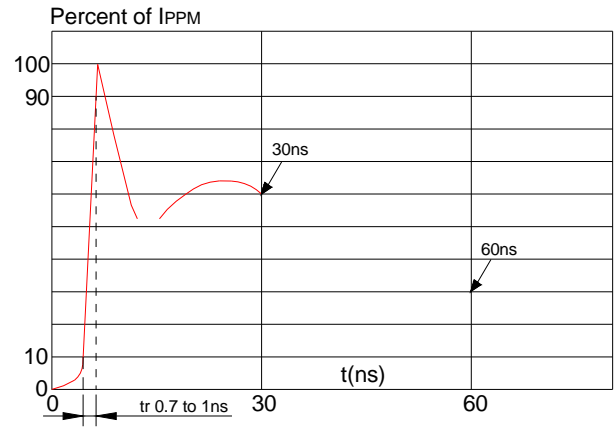
MECHANICAL CHARACTERISTICS

- SOD-323 package
- Molding compound flammability rating : UL 94V-0
- Weight 5 milligrams (approximate)
- Quantity per reel : 3,000pcs
- Lead finish : lead free
- Marking code : 5H

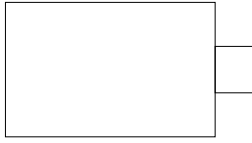
ABSOLUTE MAXIMUM

FIG.3: Pulse deratin

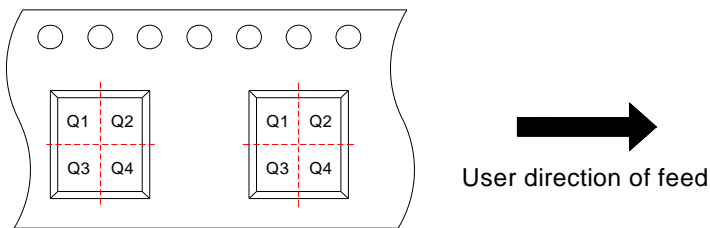
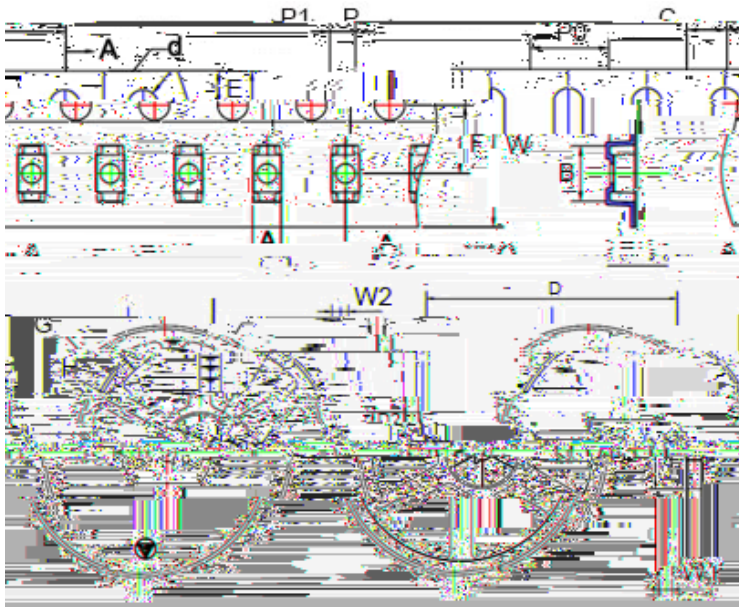
FIG.4: ESD clamping (30kV contact)



PACKAGE MECHANICAL DATA



TAPE AND REEL INFORMATION SOD 323



Pin 1 quadrant:Q1&Q2

Packaging description:

Symbol	Millimeters	Inches
	Typ	Typ
A	1.46	0.057
B	2.90	0.114
C	1.25	0.049
d	1.50	0.059
E	1.75	0.069
F	3.50	0.138
P0	4.00	0.157
P	4.00	0.157
P1	2.00	0.079
W	8.00	0.315
D	178.0	7.008
D1	54.40	2.142
D2	13.00	0.512
G	R78.0	R3.071
H	R25.60	R1.008
I	R6.50	R0.256
W1	9.50	0.374
W2	12.30	0.484

ORDERING INFORMATION

PART No.	PACKAGE TYPE	QUANTITY(PCS) REEL	DESCRIPTION
JEU05D3U	SOD-323	3,000	7 inch reel pack

