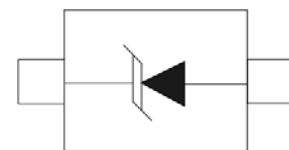




- ✧ Small body outline dimensions  
0.063 x 0.032 (1.6x0.8 mm)
- ✧ Protects one uni-directional I/O line
- ✧ Low clamping voltage
- ✧ Working voltage: 36V
- ✧ Low leakage current
- ✧ RoHS compliant



SOD-523



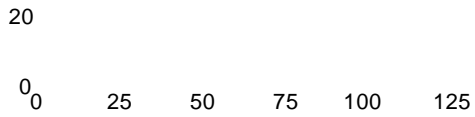
Pin Configuration

- ✧ Cell phone handsets and accessories
  - ✧ Microprocessor based equipment
  - ✧ Personal digital assistants (PDA's)
  - ✧ Notebooks, desktops, and servers
  - ✧ Portable instrumentation
  - ✧ Peripherals
  - ✧ Digital cameras
- 
- ✧ IEC61000-4-2 (ESD) ±30kV (air), ±30kV (contact)
  - ✧ IEC61000-4-4 (EFT) 40A (5/50ns)
  - ✧ IEC61000-4-5 (Lightning) 4A (8/20µs)
- 
- ✧ SOD-523 package
  - ✧ Molding compound flammability rating: UL 94V-0
  - ✧ Quantity per reel: 8,000pcs
  - ✧ Lead finish: lead free
  - ✧ Marking code: MP

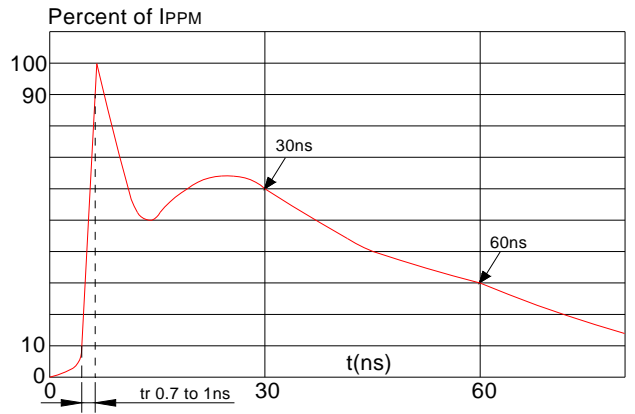


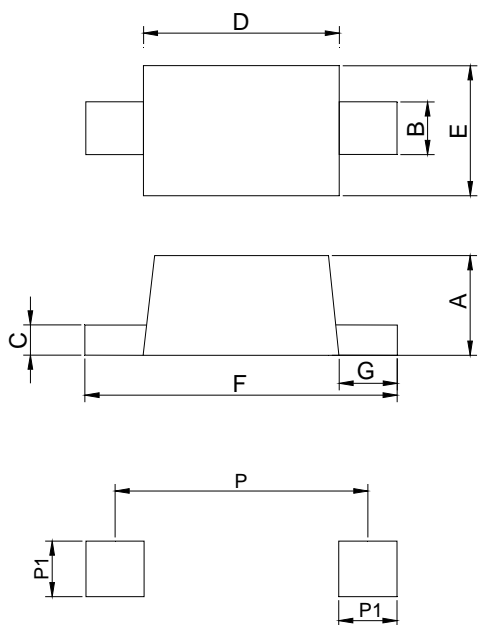
**FIG.3: Pulse derating curve**

PPP derating in percentage(%)



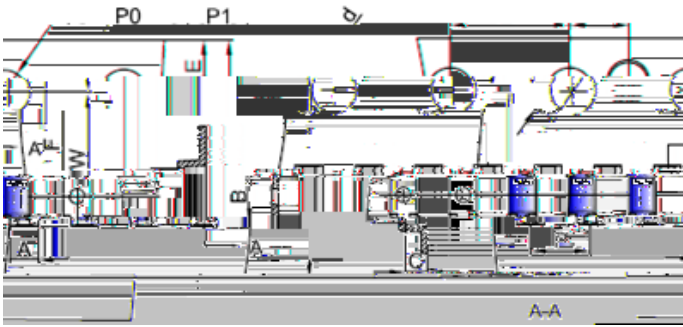
**FIG.4: ESD clamping (20kV contact)**



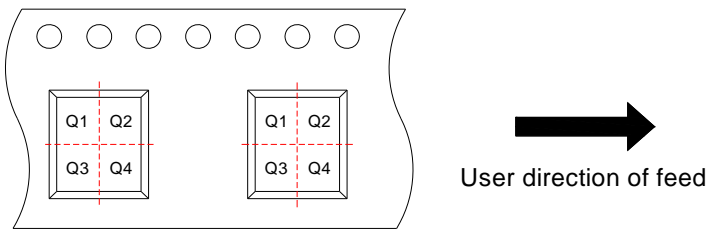


Symbol	Millimeters			Inches		
	Min	Typ	Max	Min	Typ	Max
A	0.50	0.61	0.77	0.020	0.024	0.030
B	0.25	0.30	0.40	0.010	0.012	0.016

Land Pattern



Symbol	Millimeters	Inches
	Typ.	Typ.
A	0.95	0.037
B	1.92	0.076
C	0.73	0.029
d	1.50	0.059
E	1.75	0.069
F	3.50	0.138



Pin 1 quadrant:Q1&Q2

PART No.	PACKAGE TYPE	QUANTITY(PCS) REEL	DESCRIPTION
JEU36D5P	SOD-523	8,000	7 inch reel pack

