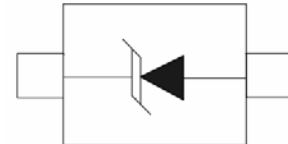




Small body outline dimensions
0.063 x 0.032 (1.6x0.8 mm)
Protects one uni-directional I/O line
Low clamping voltage
Working voltages:24V
Low leakage current
RoHS compliant



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) $\pm 22\text{kV}$ (air), $\pm 22\text{kV}$ (contact)
IEC61000-4-4 (EFT) 40A (5/50ns)
IEC61000-4-5 (Lightning) 4A (8/20 μs)

SOD-523 package
Molding compound flammability rating : UL 94V-0
Quantity per reel : 8,000pcs
Lead finish : lead free
Marking code : 24

FIG.3: Pulse derating curve

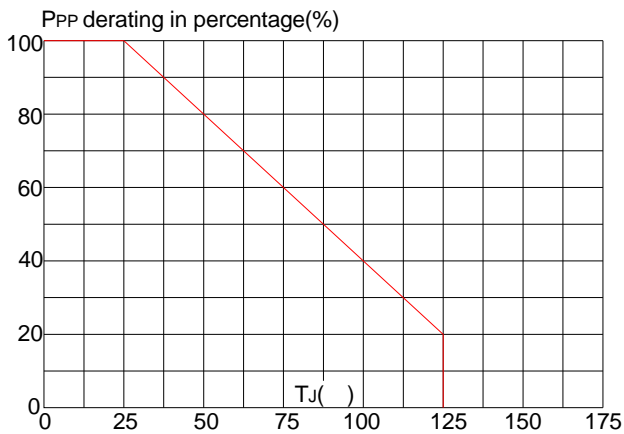
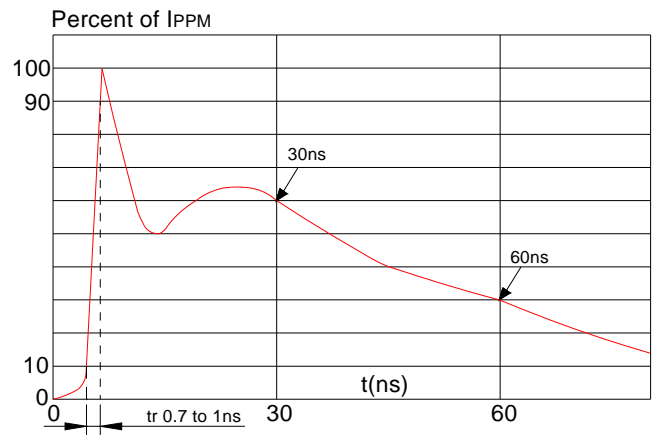
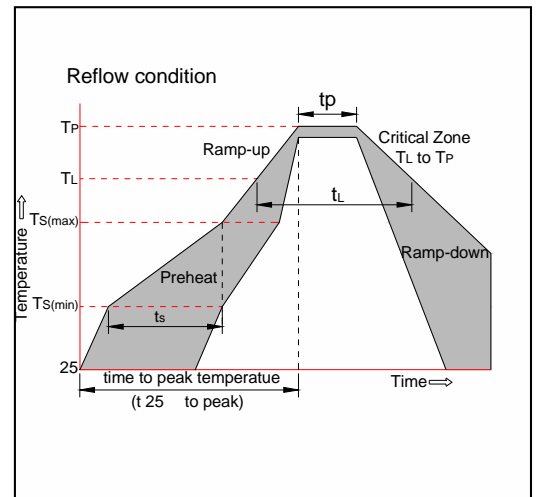
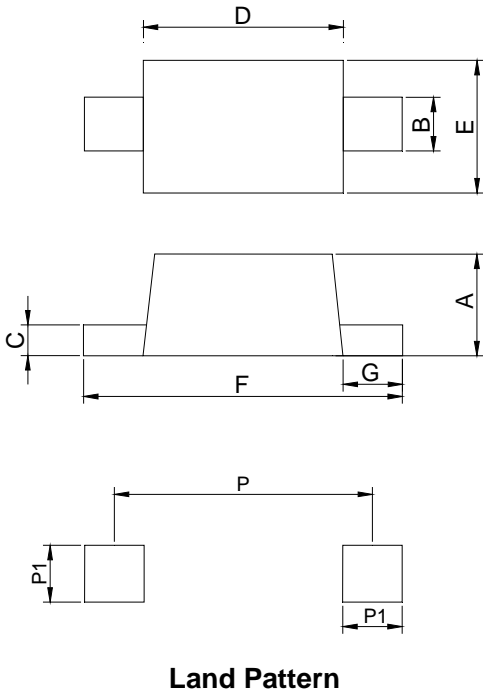


FIG.4: ESD clamping (22KV contact)

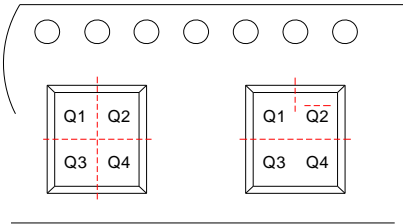


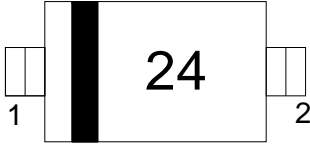
Reflow Condition		Pb-Free assembly (see figure at right)
Pre Heat	-Temperature Min (T _{s(min)})	+150
	-Temperature Max(T _{s(max)})	+200
	-Time (Min to Max) (ts)	60-180 secs.
Average ramp up rate (Liquidus Temp (T _L)to peak)		3 /sec. Max
T _{s(max)} to T _L - Ramp-up Rate		3 /sec. Max
Reflow	-Temperature(T _L)(Liquidus)	+217
	-Temperature(t _L)	60-150 secs.
Peak Temp (T _p)		+260(+0/-5)
Time within 5 of actual Peak Temp (t _p)		20-40secs.
Ramp-down Rate		6 /sec. Max
Time 25 to Peak Temp (T _p)		8 min. Max
Do not exceed		+260





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
C	0.07	0.13	0.20	0.003	0.005	0.008
D	1.10	1.20	1.30	0.043	0.047	0.051
E	0.70	0.80	0.90	0.028	0.031	0.035
F	1.50	1.60	1.70	0.059	0.063	0.067
G	0.15	0.20	0.25	0.006	0.008	0.010
P1	0.60			0.024		
P	1.42			0.056		



Part Number	Marking Code
JEU24D5	


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