

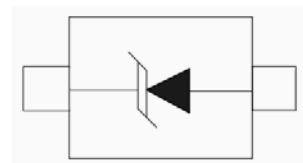


& d h Z ^

- Small body outline dimensions 0.063×0.032 (1.6x0.8mm)
- Protects one uni-directional I/O line
- Low clamping voltage
- Working voltage:15V
- Low leakage current
- RoHS compliant



SOD-523



Pin Configuration

D / E W W > / d / K E ^

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

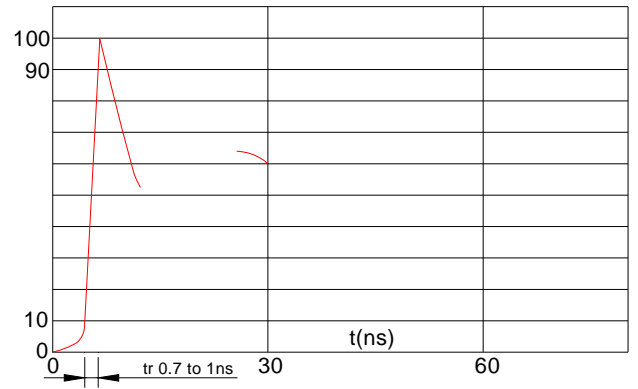
W Z K d d / K E ^ K > h d / K E d K D d

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

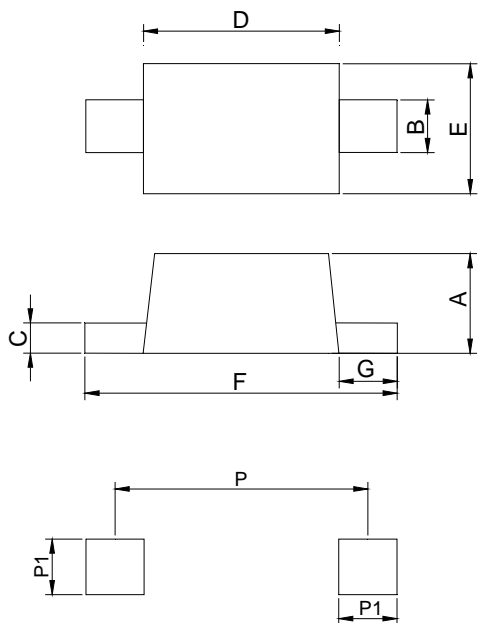
D , E / > , Z d Z / ^ d / ^

- SOD-523 package
- Molding compound flammability rating : UL 94V-0
- Quantity per reel : 8,000pcs
- Lead finish : lead free
- Marking code:15

Parameter	Symbol	Value	Unit
Peak pulse power dissipation at 8/20 μ s waveform	P _{PP}	120	W
ESD per IEC 61000-4-2 (Air)	V _{ESD}	+/- 20	kV
ESD per IEC 61000-4-2 (Contact)		+/- 20	
Lead soldering temperature	T _L	260 (10 sec.)	



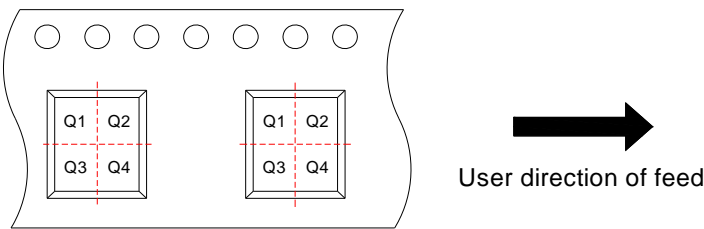
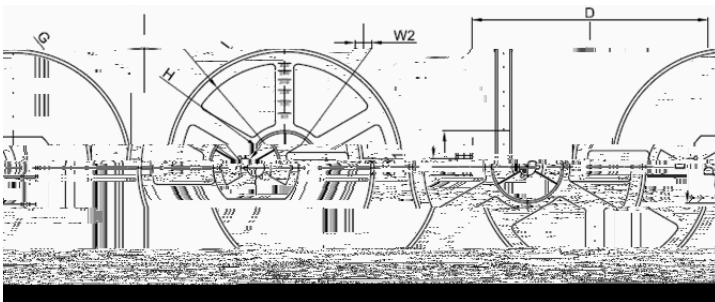
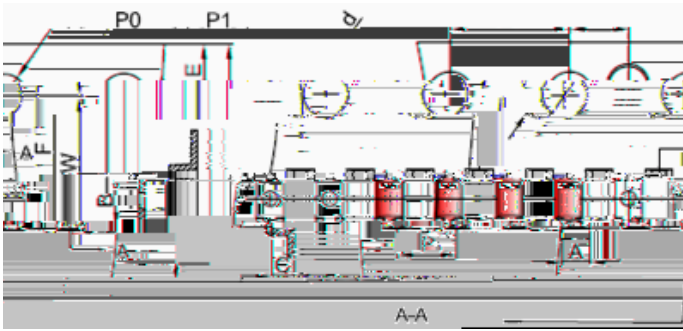
W < ' D , E / > d



Land Pattern

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		

d W E Z > ^W /&/ d/KEr^K rñîï



Pin 1 quadrant:Q1&Q2

Packaging Description:


SOD-523 parts are shipped in tape. The carrier tape is made from a dissipative(carbon filled) polycarbonate resin. The cover tape is a multilayer film(heat activated adhesive in nature)primarily composed of polyester film, adhesive layer, sealant, and anti-static sprayed agent. These reeled parts in standard option are shipped with 8,000 units per 7" or 17.8cm diameter reel. The reels are clear in color and made of polystyrene plastic(anti-static coated).

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
P0	4.00	0.157
P	2.00	0.079
P1	2.00	0.079
W	8.00	0.315
D	178	7.008
D1	54.40	2.142
D2	13.00	0.512
G	R78.00	R3.071
H	R25.60	R1.008
I	R6.50	R0.256
W1	9.50	0.374
W2	12.30	0.484

KZ Z/E' /E&KZD d/KE

PART No.	PACKAGE TYPE	QUANTITY(PCS) REEL	DESCRIPTION
JEU15D5	SOD-523	8,000	7 inch reel pack

D Z < / E ' K

Part Number	Marking Code
JEU15D5	


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