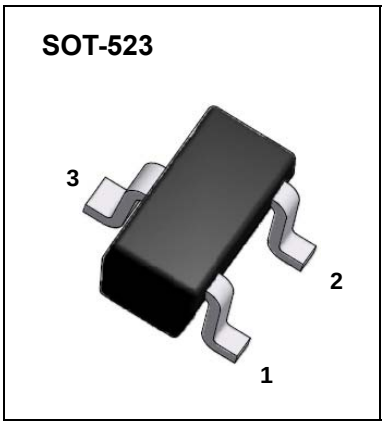
Leiditech

1SS360Q

Fast Switching Diode

150mW SOT-523 SURFACE MOUNT
Plastic Package



Green Product

Specification Features:

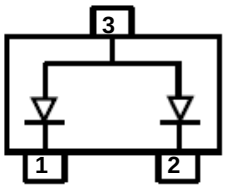
- Fast Switching Device
- General Purpose Diodes
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish
- AEC-Q101 qualified

Absolute Maximum Ratings
T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P_D	Power Dissipation	150	mW
T_{STG}	Storage Temperature Range	-55 to +125	°C
T_J	Operating Junction Temperature	+125	°C
V_R	Reverse Voltage	85	V
I_{FO}	Forward Current	75	mA

These ratings are limiting values above which the serviceability of the diode may be impaired.

Electrical Symbol & Marking Codes:



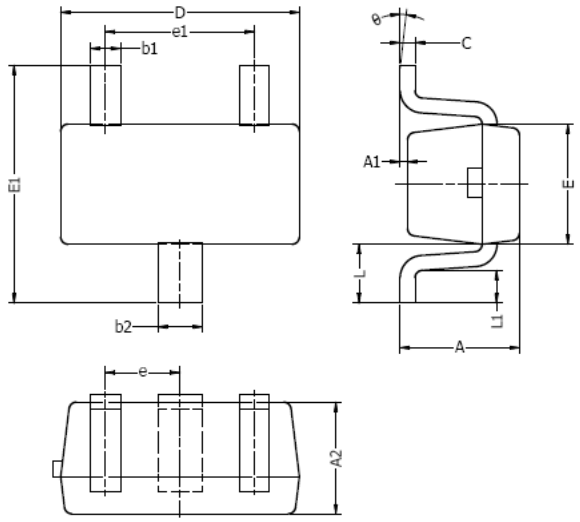
Marking: JD

Electrical Characteristics
T_A = 25°C unless otherwise noted

Symbol	Parameter	Test Condition	Limits			Unit
			Min	Typical	Max	
$V_{BR)}$	Reverse Breakdown Voltage	I_R=1μA	85			Volts
I_R	Reverse Leakage Current	V_{R1}=75V V_{R2}=25V			2 0.03	μA
V_F	Forward Voltage	I_F=1mA I_F=10mA I_F=50mA I_F=150mA			0.715 0.855 1.00 1.25	Volts
C_D	Diode Capacitance	V_R=0V, f=1MHz		1.5	4	pF
T_{rr}	Reverse Recovery Time	I_F= I_R= 10mA I_{RR}=0.1x I_R, R_L=100Ω			4	ns

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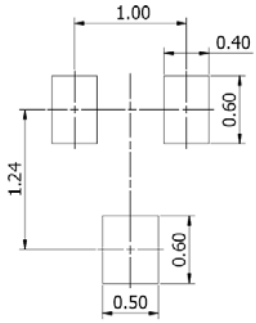
SOT-523 Package Outline Dimensions



DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	0.70	0.90	0.028	0.035
A1	0.00	0.10	0.000	0.004
A2	0.70	0.80	0.028	0.031
b1	0.15	0.25	0.006	0.010
b2	0.25	0.35	0.010	0.014
c	0.10	0.20	0.004	0.008
D	1.50	1.70	0.059	0.067
E	0.70	0.90	0.028	0.035
E1	1.45	1.75	0.057	0.069
e	0.50 TYP.		0.020 TYP.	
e1	0.90	1.10	0.035	0.043
L	0.40 REF.		0.016 REF.	
L1	0.10	0.30	0.004	0.012
θ	0^0	8^0	0^0	8^0

NOTES:
1. Above package outline conforms to JEITA EAIJ ED-7500A SC-75A.
2. Dimensions are exclusive of Burrs, Mold Flash & Tie Bar extrusions.

Typical Soldering Pattern:



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