



Micro Commercial Components

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LL85

**Small Signal
Schottky Diodes**

Features

- For general purpose applications
- These diodes features very low turn-on voltage and fast swithcing
These devices are protected by a PN junction guard ring against
excessive voltage.,such as electrostatic discharges
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates
Compliant. See ordering information)

Maximum Ratings

Repetitive Peak Reverse Voltage	V_R	30V	
Forward Continuous Current at	I_F	200mA	$T_A=25^\circ C$
Repetitive Peak Forward Current	I_{FM}	300mA	$t_p < 1s, \delta < 0.5, T_A=25^\circ C$
Maximum Forward Surge Current	I_{FSM}	600mA	$t_p < 10mS, T_A=25^\circ C$
Power Dissipation	P_{TOT}	200mW	$T_A=65^\circ C$
Junction Temperature	T_J	125°C	
Ambient Operating temperature Range	T_A	-55 to +125°C	
Storage Temperature Range	T_{STG}	-55 to +150°C	

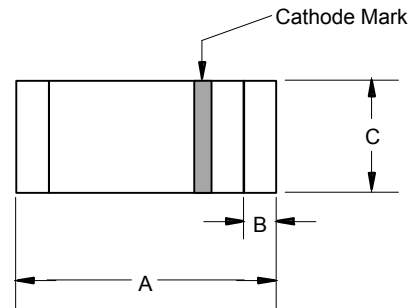
Valid provided that leads at a distance of 4mm from case are kept at ambient temperature

Electrical Characteristics @ 25°C Unless Otherwise Specified

Maximum Forward Voltage $I_F = 0.1mA$ $I_F = 1mA$ $I_F = 10mA$ $I_F = 30Ma$ (Typical) $I_F = 100mA$	V_F	0.24V 0.32V 0.40V 0.50V 0.80V	Pulse Test $t_p < 300, \delta < 2\%$
Minimum Reverse Breakdown Voltages	$V_{(BR)R}$	30V	Tested with 100µA pulse
Maximum Leakage current	I_R	2.0µA	$V_R=25V$
Maximum Junction Capacitance	C_J	10pF	$V_R=1V, f=1MHz$
Maximum Reverse recovery time	t_{rr}	5.0ns	$I_F=10mA, I_R=10mA, I_R=1mA$
Maximum Thermal resistance junction to Ambient Air	$R_{\theta JA}$	300K/W	

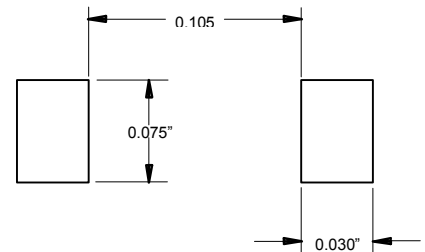
Note:1.Lead in Glass Exemption Applied, see EU Directive Annex 5.

MINIMELF



DIM	DIMENSION				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	.130	.146	3.30	3.70	
B	.008	.016	0.20	0.40	
C	.055	.059	1.40	1.50	

SUGGESTED SOLDER PAD LAYOUT





TM

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Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 2.5Kpcs/Reel

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