



Micro Commercial Components

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LLSD101A THRU LLSD101C

Features

- Guard Ring Construction for Transient Protection
- Low Reverse Capacitance
- Low Forward Voltage Drop and Low Reverse Recovery Time
- Lead Free Finish/RoHS Compliant(Note 1) ("P" Suffix designates Compliant. See ordering information)

Mechanical Data

- Case: MiniMELF, Glass
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity: Indicated by Cathode Band
- Weight: 0.05 grams (approx.)

Maximum Ratings @ 25°C Unless Otherwise Specified

Characteristic	Symbol	LLSD101A	LLSD101B	LLSD101C
Peak Repetitive Reverse Voltage	V_{RRM}	60V	50V	40V
Working Peak Reverse Voltage	V_{RWM}			
DC Blocking Voltage	V_R			
RMS Reverse Voltage	$V_{R(RMS)}$	42V	35V	28V
Forward Continuous Current(Note 2)	I_{FM}	15mA		
Non-Repetitive Peak @ $t \leq 1.0s$ Forward Surge Current @ $t = 10\mu s$	I_{FSM}	50mA 2.0A		
Power Dissipation(Note 2)	P_d	400mW		
Thermal Resistance(Note 2)	R	375K/W		
Operation & Storage Temp. Range	T_J, T_{STG}	-55 to 150°C		

Electrical Characteristics @ 25°C Unless Otherwise Specified

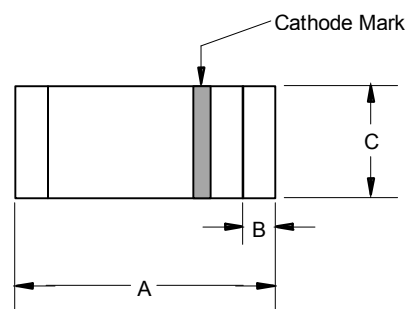
Characteristic	Symbol	Min	Max	Unit	Test Cond.
Peak LLSD101A	I_{RM}	-----	200	nA	$V_R = 50V$
Reverse LLSD101B					$V_R = 40V$
Current LLSD101C					$V_R = 30V$
LLSD101A	V_{FM}	-----	0.41	V	$I_F = 1.0mA$
LLSD101B			0.40		$I_F = 1.0mA$
Forward LLSD101C			0.39		$I_F = 1.0mA$
Volt. Drop LLSD101A			1.00		$I_F = 15mA$
LLSD101B			0.95		$I_F = 15mA$
LLSD101C			0.90		$I_F = 15mA$
Junction LLSD101A	C_j	-----	2.0	pF	$V_R = 0V, f = 1.0MHz$
Capacitance LLSD101B			2.1		
LLSD101C			2.2		
Reverse Recovery Time	t_{rr}	-----	1.0	ns	$I_F = I_R = 5mA,$ recover to $0.1 I_R$

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

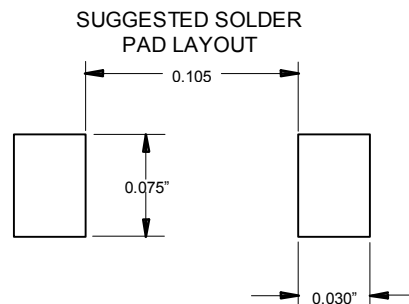
2.Valid provided that electrodes are kept at ambient temperature

Schottky Barrier Switching Diode

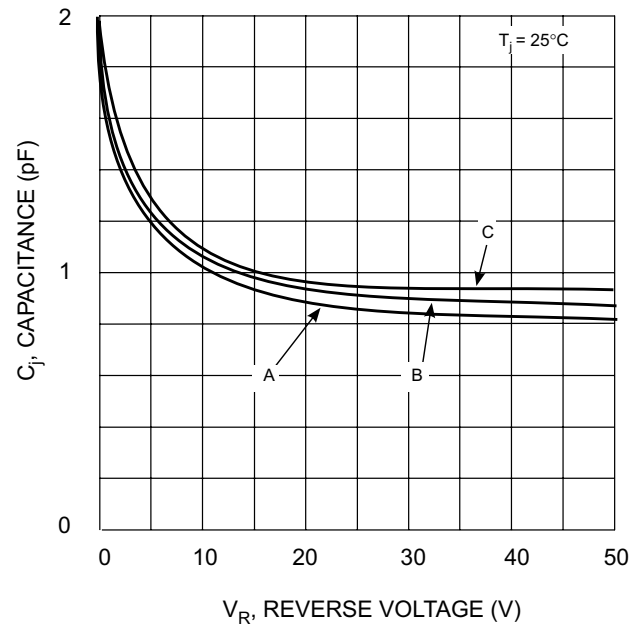
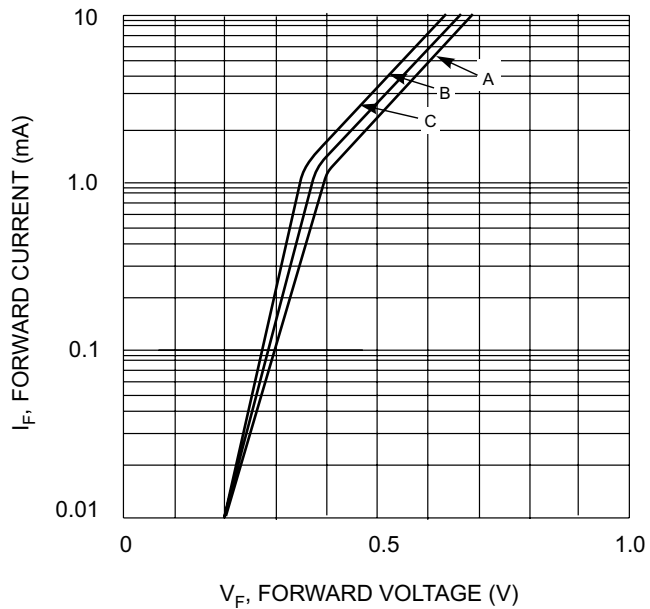
MINIMELF



DIMENSION					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.134	.142	3.40	3.60	
B	.008	.016	.20	.40	
C	.055	.059	1.40	1.50	



LLSD101A thru LLSD101C



Ordering Information

Device	Packing
(Part Number)-TP	Tape&Reel;2.5Kpcs/Reel

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