



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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Micro Commercial Components

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LLSD103A THRU LLSD103C

Features

- Lead Free Finish/Rohs Compliant (Note1) ("P" Suffix designates Compliant. See ordering information)
- Low Reverse Recovery Time
- Low Forward Voltage Drop and Low Reverse Capacitance
- Guard Ring Construction for Transient Protection

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	LLSD103A	LLSD103B	LLSD103C
Peak Repetitive Reverse Voltage	V_{RRM}			
Working Peak Reverse Voltage	V_{RWM}	40V	30V	20V
DC Blocking Voltage	V_R			
RMS Reverse Voltage	$V_{R(RMS)}$	28V	21V	14V
Forward Continuous Current(Note2)	I_{FM}	350mA		
Maximum Single cycle surge 60Hz sine wave	I_{FSM}	15A		
Power Dissipation(Note 2)	P_d	400mW		
Thermal Resistance(Note 2)	R	250K/W		
Operation/Storage Temp. Range	T_j, T_{STG}	-55 to 150 °C		

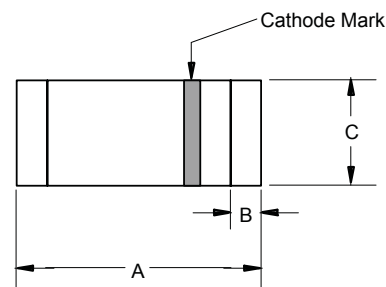
Electrical Characteristics @25°C Unless Otherwise Specified

Charateristic	Symbol	Min	Typ	Max	Test Cond.
Peak Reverse Current	I_{RM}	-----	-----	5.0uA	$V_R=30V$ $V_R=20V$ $V_R=10V$
Maximum Forward Voltage Drop	V_{FM}	-----	-----	0.37V 0.60V	$I_F=20mA$ $I_F=200mA$
Junction Capacitance	C_j	-----	50	pF	$V_R=0V, f=1.0MHz$
Reverse Recovery Time	t_{rr}	-----	10	ns	$I_F=I_R=50mA$ to 200mA, 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

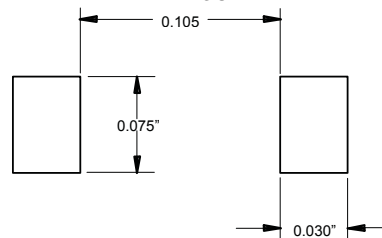
Schottky Barrier Switching Diode

MINIMELF

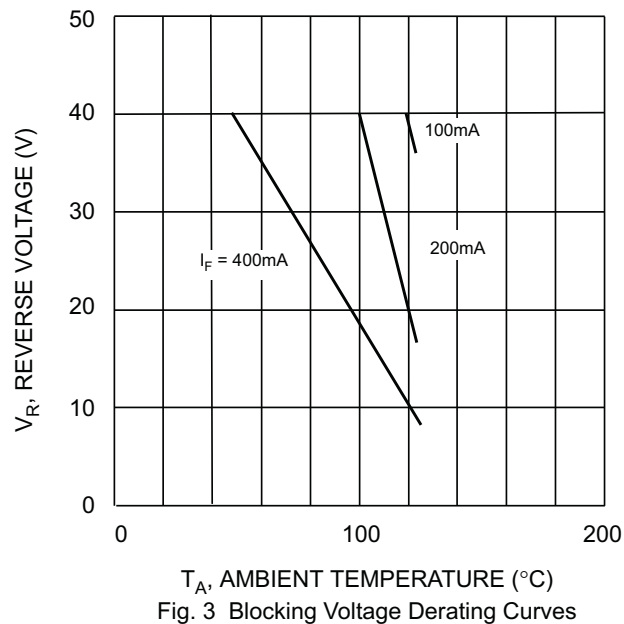
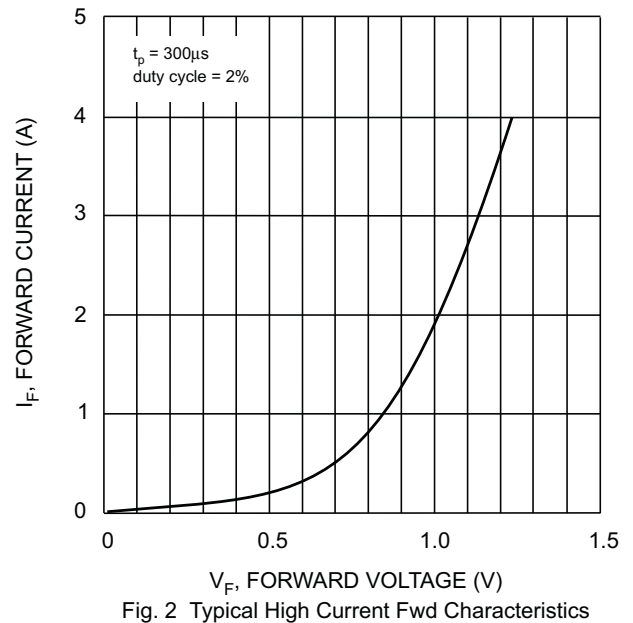
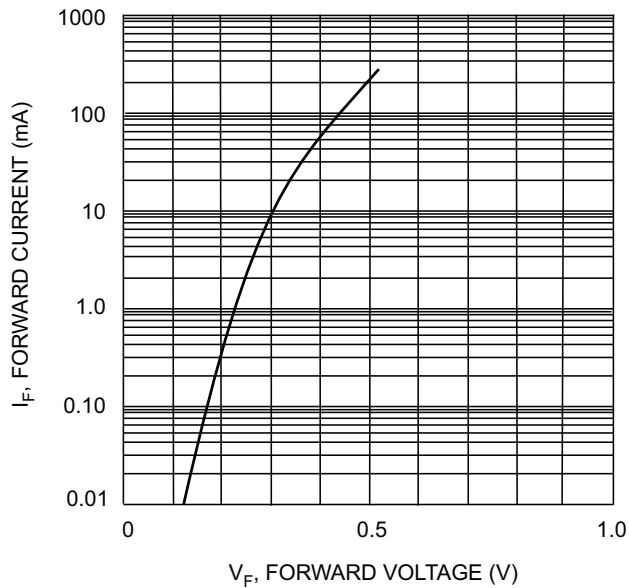


DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.134	.142	3.40	3.60	
B	.008	.016	0.20	0.40	
C	.055	.059	1.40	1.50	

SUGGESTED SOLDER PAD LAYOUT



LLSD103A thru LLSD103C





Micro Commercial Components

Ordering Information

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

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