



LMSD103A~LMSD103C

SMALL SIGNAL SCHOTTKY BARRIERS SWITCHING DIODES

Voltage Range 20-40 Volts

Current 0.35 Ampers

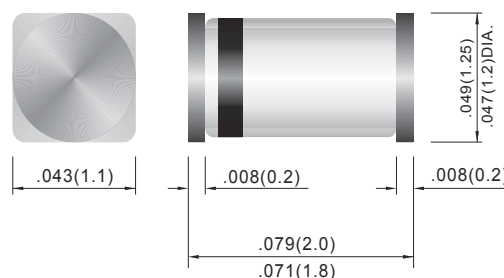
Features

- * Low Forward Voltage Drop
- * Guard Ring Construction for Transient Protection
- * Low Reverse Recovery Time
- * Low Reverse Capacitance
- * Both normal and Pb free product are available :
Normal : 80~95% Sn, 5~20% Pb
Pb free: 98.5% Sn above

Mechanical Data

Case: Molded Micro Melf, Glass
Terminals: Solderable per MIL-STD-202E, Method 208
Polarity: See Diagram Below
Approx. Weight: 0.01 grams
Mounting Position: Any
Packing information
T/R - 2.5K per 7" plastic Reel

MICRO-MELF



Dimensions in millimeters

Maximum Ratings and Electrical Characteristics ($T_J=25^{\circ}\text{C}$, unless otherwise noted)

PARAMETER	SYMBOL	LLSD103A	LLSD103B	LLSD103C	UNITS
Peak Repetitive Reverse Voltage	V_{RRM}	40	30	20	V
RMS Reverse Voltage	V_{RMS}	28	21	14	V
Max. Average Rectified Current	I_O	350			mA
Peak Forward Surge Current, $t \leq 0.3\text{ms}$	I_{FSM}	15			A
Power Dissipation Derate Above 25°C	P_D	400			mW
Maximum Forward Voltage, $I_F = 20\text{mA}$ $I_F = 200\text{mA}$	V_F	0.37 0.70			V
Maximum Reverse Current	I_R	5@30V	5@20V	5@10V	μA
Typical Junction Capacitance(Note 1)	C_J	50			pF
Typical Reverse Recovery (Note 2)	T_{RR}	10			ns
Maximum Thermal Resistance	$R_{\theta JA}$	250			$^{\circ}\text{C} / \text{W}$
Storage Temperature Range	T_{STG}	-65 TO +175			$^{\circ}\text{C}$

NOTE:

1. C_J at $V_R=0$, $f=1\text{MHz}$

2. From $I_F=10\text{mA}$ to $I_R=1\text{mA}$, $V_R=6\text{Volts}$, $R_L=100\Omega$

[Http://www.upm.com.tw](http://www.upm.com.tw)

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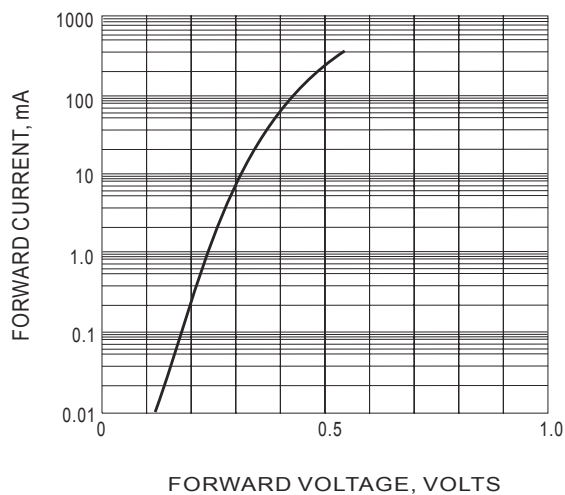


Fig.1 Forward Characteristics

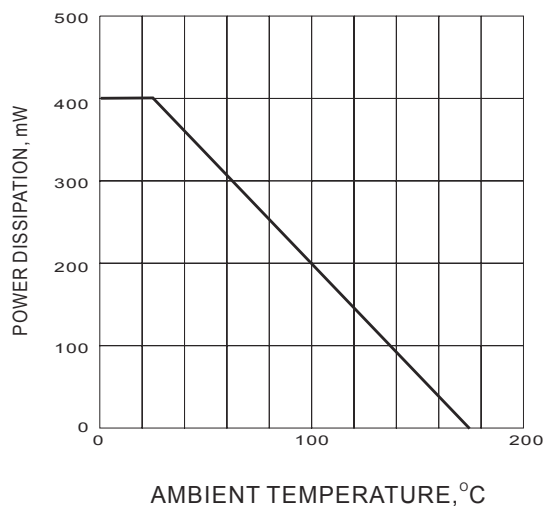


Fig.2 Power Dissipation Derating Curve

