GRANDE.LTD.

LS914

SWITCHING DIODES

VOLTAGE 100 Volts **POWER** 500 mWatts

FEATURES

- Fast switching Speed.
- Electrically Identical to Standerd JEDEC
- High Conductance
- Axial lead Package Ideally Suited for Automatic Insertion.
- In compliance with EU RoHS 2002/95/EC directives

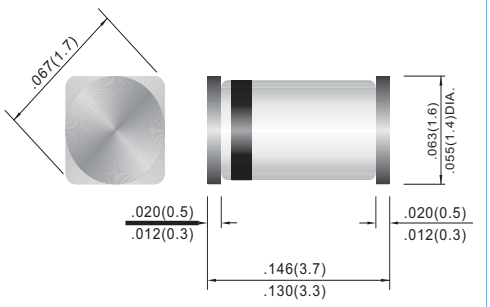
MECHANICAL DATA

- Case: Molded GlassQUADRD MELF
- Terminals: Solderable per MIL-STD-750, Method 2026
- Polarity: See Diagram Below
- Approx. Weight: 0.030 grams
- Mounting Position: Any
- Packing information

  T/R - 10K per 13" plastic Reel

  T/R - 2.5K per 7" plastic Reel

QUADRO-MELF Unit : inch (mm)



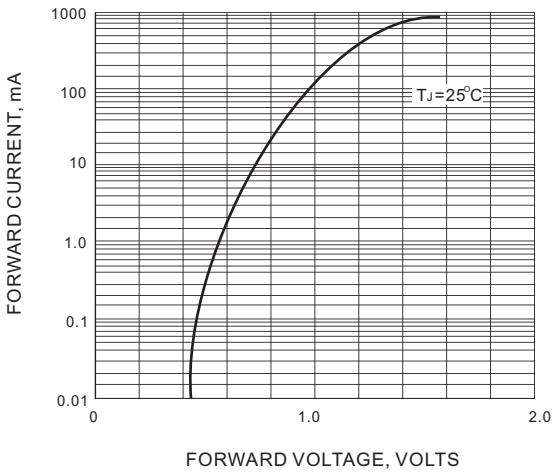
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS (T_J =25°C unless otherwise noted)

PARAMETER	SYMBOL	LS914	UNITS
Reverse Voltage	V_R	75	V
Peak Reverse Voltage	V_{RM}	100	V
RMS Voltage	V_{RMS}	50	V
Maximum Average Forward Current at T_A=25°C And f ≥ 50Hz	$I_{F(AV)}$	75	mA
Surge Forward Current at t < 1s and T_J=25 °C	I_{FSM}	500	mA
Power Dissipation at Tamb= 25 °C	P_{TOT}	500	mW
Maximum Forward Voltage at I_F =10mA	V_F	1.0	V
Maximum Leakage Current at V_R=20V at V_R=75V at V_R=20V ,T_J= 150 °C	I_R	 25 5 50	 nA µA µA
Maximum Capacitance (Note 1)	C_J	4	pF
Maximum Reverse Recovery Time (Note 2)	t_{rr}	4	ns
Typical Thermal Resistance	$R_{\theta JA}$	350	°C / W
Junction Temperature and Storage Temperature Range	T_J,T_s	-65 to +175	°C

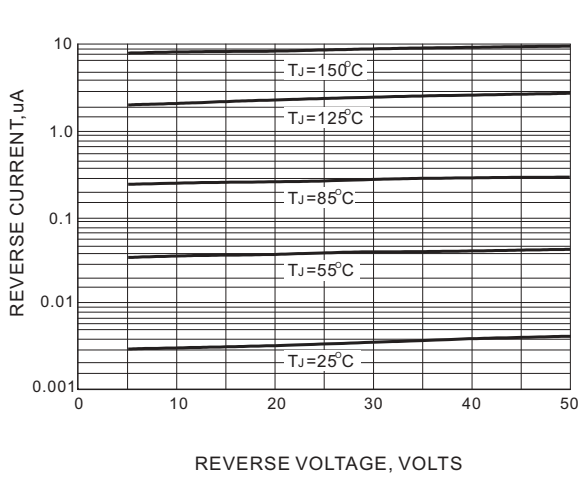
NOTE:

1. CJ at V_R=0, f=1MHZ
2. From I_F=10mA to I_R=1mA, V_R=6Volts, R_L=100Ω

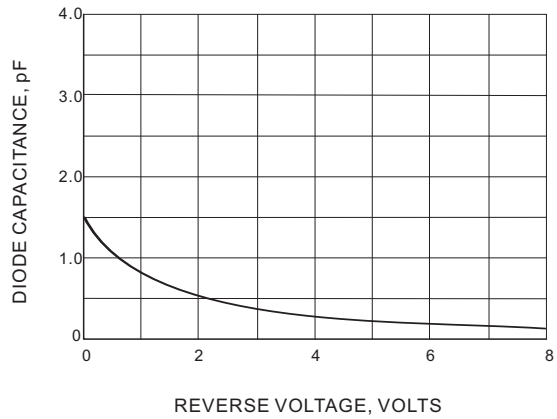
LS914



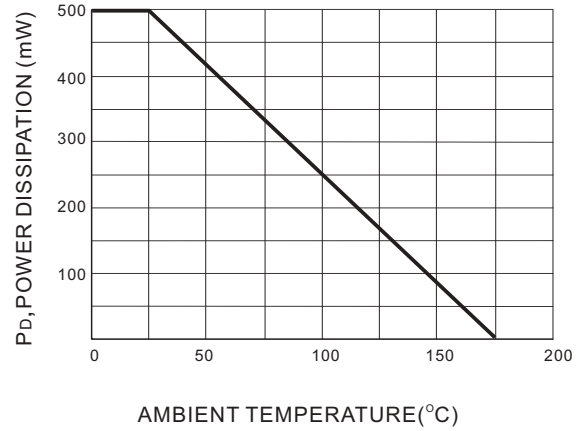
FORWARD VOLTAGE



LEAKAGE CURRENT



TYPICAL CAPATICANCE

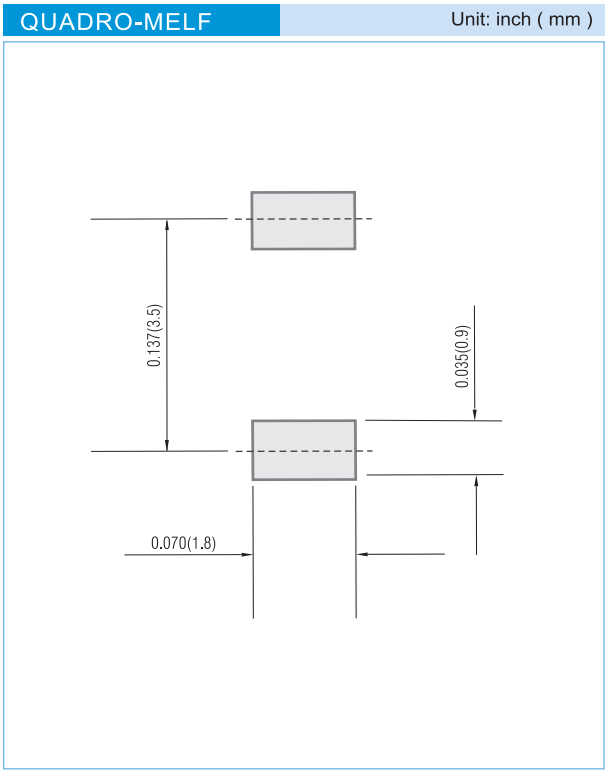


POWER DERATING

LS914

MOUNTING PAD LAYOUT

QUADRO-MELF Unit: inch (mm)



ORDER INFORMATION

- Packing information

T/R - 10K per 13" plastic Reel

T/R - 2.5K per 7" plastic Reel

LEGAL STATEMENT

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