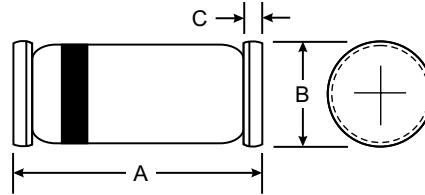


**Features**

- Low Forward Voltage Drop
- Guard Ring Construction for Transient Protection
- Fast Switching Time
- Low Reverse Capacitance



**Mechanical Data**

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

MiniMELF		
Dim	Min	Max
A	3.30	3.70
B	1.30	1.60
C	0.28	0.50
All Dimensions in mm		

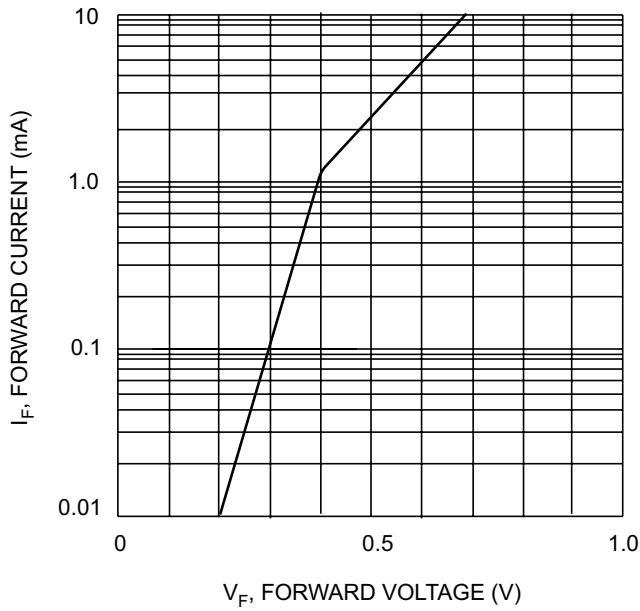
**Maximum Ratings** @ T<sub>A</sub> = 25°C unless otherwise specified

Characteristic	Symbol	LL6263	Unit
Peak Repetitive Reverse Voltage	V <sub>RRM</sub>	60	V
Working Peak Reverse Voltage	V <sub>RWM</sub>		
DC Blocking Voltage	V <sub>R</sub>		
RMS Reverse Voltage	V <sub>R(RMS)</sub>	42	V
Forward Continuous Current (Note 1)	I <sub>FM</sub>	15	mA
Non-Repetitive Peak Forward Surge Current	I <sub>FSM</sub>	50	mA
@ t ≤ 1.0s		2.0	A
@ t = 10μs			
Power Dissipation (Note 1)	P <sub>d</sub>	400	mW
Thermal Resistance, Junction to Ambient Air (Note 1)	R <sub>θJA</sub>	375	K/W
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-65 to +175	°C

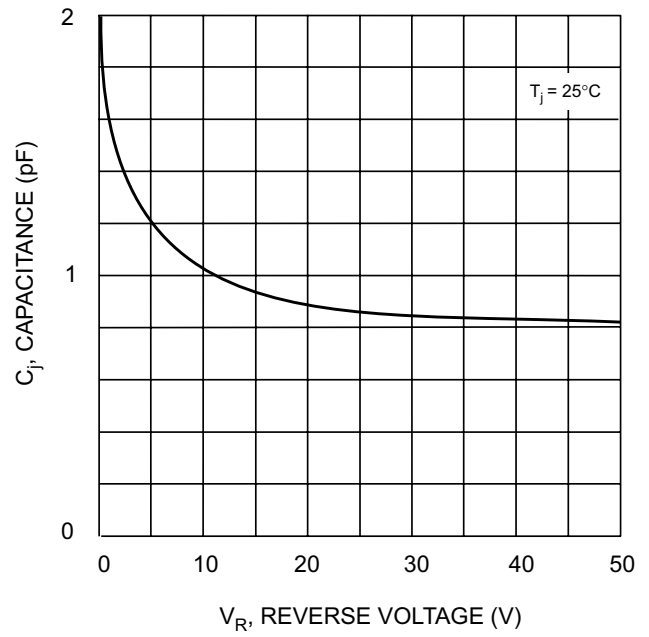
**Electrical Characteristics** @ T<sub>A</sub> = 25°C unless otherwise specified

Characteristic	Symbol	Min	Typ	Max	Unit	Test Condition
Maximum Forward Voltage Drop	V <sub>FM</sub>	—	—	0.41 1.0	V	I <sub>F</sub> = 1.0mA I <sub>F</sub> = 15mA
Maximum Peak Reverse Current	I <sub>RM</sub>	—	—	200	nA	V <sub>R</sub> = 50V
Junction Capacitance	C <sub>j</sub>	—	2.0	—	pF	V <sub>R</sub> = 0V, f = 1.0MHz
Reverse Recovery Time	t <sub>rr</sub>	—	1.0	—	ns	I <sub>F</sub> = I <sub>R</sub> = 5.0mA, I <sub>rr</sub> = 0.1 x I <sub>R</sub> , R <sub>L</sub> = 100Ω

Note: 1. Valid provided that electrodes are kept at ambient temperature.



$V_F$ , FORWARD VOLTAGE (V)  
 Fig. 1 Typical Forward Characteristic Variations for Primary Conduction



$V_R$ , REVERSE VOLTAGE (V)  
 Fig. 2 Typ. Junction Capacitance vs Reverse Voltage