

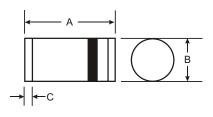
## **1.0A SURFACE MOUNT GLASS PASSIVATED RECTIFIER**

## **Features**

- Glass Passivated Junction
- High Current Capability
- Low Forward Voltage Drop
- High Reliability and Low Leakage
- For Surface Mount Application
- Plastic Material UL Flammability Classification Rating 94V-0

## **Mechanical Data**

- Case: MELF, Plastic
- Terminals: Solderable per MIL-STD-202, Method 208
- Polarity: Cathode band
- Approx Weight: 0.25 grams
- Mounting Position: Any



MELF							
Dim	Min	Мах					
Α	4.80	5.20					
В	2.40	2.60					
С	0.55 Nominal						
All Dimensions in mm							

## Maximum Ratings and Electrical Characteristics @ T<sub>A</sub> = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	DL 4001	DL 4002	DL 4003	DL 4004	DL 4005	DL 4006	DL 4007	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V <sub>RRM</sub> V <sub>RWM</sub> V <sub>R</sub>	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	V <sub>R(RMS)</sub>	35	71	141	283	424	566	707	V
Maximum Average Forward Rectified Current @ Terminal Temp @ T <sub>T</sub> = 75°C	Io	0 1.0					А		
Peak Forward Surge Current 8.3ms single half sine-wave Superimposed on Rated Load (JEDEC Method)		30						А	
Maximum Forward Voltage @ I <sub>F</sub> = 1.0A	VF	1.1						V	
	I <sub>R</sub> 5.0 50					μA			
Typical Thermal Resistance, Junction to Ambient Air		50							K/W
Typical Junction Capacitance (Note 1)		15						pF	
Operating and Storage Temperature Range		-55 to +150						°C	

Notes: 1. Measured at 1.0MHz and applied reverse voltage of 4.0 volts.



