

# 40A GLASS PASSIVATED AVALANCHE RECTIFIER CELL

### Features

- Glass Passivated Die Construction
- High Power Capacity
- Avalanche Voltage 24 to 32 Volts
- High Surge Current Capability
- Die Size 220 mil HEX

## **Mechanical Data**

- Case: Protected with Silicon Rubber
- Terminal: Slug, Cu with Ag Plated
- Polarity: Indicated by Large Slug on Cathode Side
- Mounting Position: Any



C2540				
Dim	Min	Max		
Α	7.23	7.30		
В	6.53	6.58		
С	2.15	2.25		
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	C2540	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		Vrrm Vrwm Vr	20	V
Average Rectified Output Current	@T <sub>A</sub> = 150°C	ю	40	А
Breakdown Voltage Min. Breakdwon Voltage Max.	@I <sub>R</sub> = 100mA @I <sub>R</sub> = 100mA	Vbr	24 32	V
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)		IFSM	600	А
Peak Reverse Surge Current		Irsm	150	А
Forward Voltage	@I <sub>F</sub> = 100A	Vfm	1.05	V
Peak Reverse Current at Rated DC Blocking Voltage	@T <sub>c</sub> = 25°C	Iгм	200	nA
Typical Thermal Resistance Junction to Ambient		R <i>θ</i> JA	0.8	K/W
Operating and Storage Temperature Range		TJ, Tsтg	-40 to +150	°C

### ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
C2540	7.23mm Cell	2000 Units/Box

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

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WARNING: DO NOT USE IN LIFE SUPPORT EQUIPMENT. WTE power semiconductor products are not authorized for use as critical components in life support devices or systems without the express written approval.

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