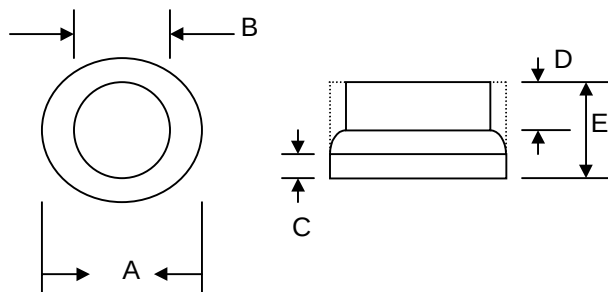


Features

- Diffused Junction
- Low Leakage
- Low Cost
- 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

C50		
Dim	Min	Max
A	—	7.23
B	—	6.55
C	0.75	—
D	1.0	—
E	—	2.2
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics @T_A=25°C unless otherwise specified

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

Characteristic	Symbol	C50A	C50B	C50D	C50G	C50J	C50K	C50M	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{VRWM} V _R	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Rectified Output Current @T _C = 150°C	I _O	50							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	500							A
Forward Voltage @I _F = 100A	V _{FM}	1.08							V
Peak Reverse Current At Rated DC Blocking Voltage @T _A = 25°C	I _{RM}	3.0							μA
Typical Thermal Resistance Junction to Ambient	R _{θJA}	26							K/W
Operating and Storage Temperature Range	T _J , T _{STG}	-40 to +150							°C

*Glass passivated forms are available upon request

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
C50A	7.23mm Cell	2000 Units/Box
C50B	7.23mm Cell	2000 Units/Box
C50D	7.23mm Cell	2000 Units/Box
C50G	7.23mm Cell	2000 Units/Box
C50J	7.23mm Cell	2000 Units/Box
C50K	7.23mm Cell	2000 Units/Box
C50M	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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