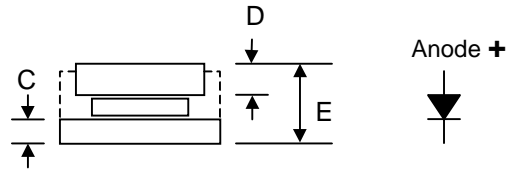


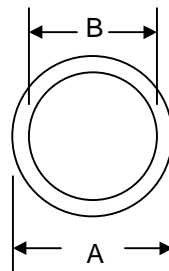
Features

- Diffused Junction
- Low Leakage
- Low Cost
- High Surge Current Capability
- Die Size 164 mil HEX



Mechanical Data

- Case: Cell Diode Passivated with Silicon Rubber
- Terminal: Copper Disc with Ag Plated
- Polarity: Indicated by Large Disc On Cathode Side, Add "R" Suffix to Indicate Reverse Polarity, i.e. C25AR
- Mounting Position: Any
- **Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 2**



C25		
Dim	Min	Max
A	—	5.46
B	—	4.82
C	0.75	—
D	1.0	—
E	—	2.2
All Dimensions in mm		

Maximum Ratings and Electrical Characteristics @ $T_A=25^\circ\text{C}$ unless otherwise specified

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

Characteristic	Symbol	C25A	C25B	C25D	C25G	C25J	C25K	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	50	100	200	400	600	800	V
RMS Reverse Voltage	$V_{R(RMS)}$	35	70	140	280	420	560	V
Average Rectified Output Current @ $T_C = 150^\circ\text{C}$	I_o	25						A
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	400						A
Forward Voltage @ $I_F = 50\text{A}$	V_{FM}	1.08						V
Peak Reverse Current At Rated DC Blocking Voltage @ $T_A = 25^\circ\text{C}$	I_{RM}	3.0						μA
Typical Thermal Resistance Junction to Ambient	$R_{\theta JA}$	1.8						$^\circ\text{C/W}$
Operating and Storage Temperature Range	T_J, T_{STG}	-40 to +150						$^\circ\text{C}$

ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
C25A	5.5mm Cell Diode	10000 Units/Bottle
C25B	5.5mm Cell Diode	10000 Units/Bottle
C25D	5.5mm Cell Diode	10000 Units/Bottle
C25G	5.5mm Cell Diode	10000 Units/Bottle
C25J	5.5mm Cell Diode	10000 Units/Bottle
C25K	5.5mm Cell Diode	10000 Units/Bottle

1. Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
2. **To order Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, C25A-LF.**

Won-Top Electronics Co., Ltd (WTE) has checked all information carefully and believes it to be correct and accurate. However, WTE cannot assume any responsibility for inaccuracies. Furthermore, this information does not give the purchaser of semiconductor devices any license under patent rights to manufacturer. WTE reserves the right to change any or all information herein without further notice.

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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We power your everyday.