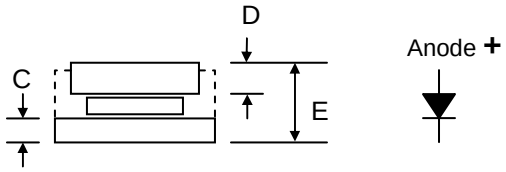
C35A – C35K

35A AUTOMOTIVE CELL DIODE

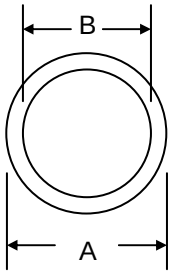
Features

- Diffused Junction
- Low Leakage
- Low Cost
- High Surge Current Capability
- Die Size 184 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. C35AR
- Mounting Position: Any
- **Lead Free: For RoHS / Lead Free Version, Add “-LF” Suffix to Part Number, See Page 2**



C35		
Dim	**Min**	**Max**
A	—	6.30
B	—	5.46
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	C35A	C35B	C35D	C35G	C35J	C35K	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°C	I_O	35						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 = 80A	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	$R_{\theta JA}$	1.4						°C/W
Operating and Storage Temperature Range	T_J, T_{STG}	-40 to +150						°C

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ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
C35A	6.2mm Cell Diode	5000 Units/Bottle
C35B	6.2mm Cell Diode	5000 Units/Bottle
C35D	6.2mm Cell Diode	5000 Units/Bottle
C35G	6.2mm Cell Diode	5000 Units/Bottle
C35J	6.2mm Cell Diode	5000 Units/Bottle
C35K	6.2mm Cell Diode	5000 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, C35A-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.

Won-Top Electronics Co., Ltd.
No. 44 Yu Kang North 3rd Road, Chine Chen Dist., Kaohsiung, Taiwan
Phone: 886-7-822-5408 or 886-7-822-5410
Fax: 886-7-822-5417
Email: sales@wontop.com
Internet: http://www.wontop.com

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