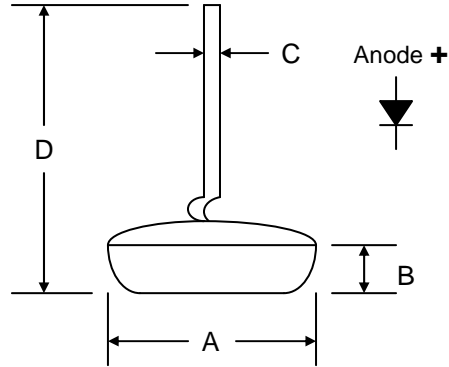


### Features

- Glass Passivated Die Construction
- Low Leakage
- Low Cost
- High Surge Current Capability
- Low Forward Voltage Drop
- C-Band Terminal Construction

### Mechanical Data

- Case: 8.4mm or 9.5mm Dish Type Press-Fit with Silicon Rubber Sealed on Top
- Terminals: Contact Areas Readily Solderable
- Polarity: Cathode to Case (Reverse Units Are Available Upon Request and Are Designated By A "R" Suffix, i.e. DD350R or DD350SR)
- Polarity: White Color Equals Standard, Black Color Equals Reverse Polarity
- Mounting Position: Any
- **Lead Free: For RoHS / Lead Free Version, Add "-LF" Suffix to Part Number, See Page 2**



Dim	8.4mm Dish		9.5mm Dish	
	Min	Max	Min	Max
A	8.25	8.45	9.30	9.70
B	2.00	2.40	2.00	2.40
C	1.50 Ø Typical			
D (+)*	17.50	20.50	17.50	20.50
D (-)*	21.50	24.50	21.50	24.50
All Dimensions in mm				

"S" Suffix Designates 8.4mm Dish  
 No Suffix Designates 9.5mm Dish  
 (+)\*: Standard Polarity; (-)\*: Reverse Polarity

### 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	DD350/S	DD351/S	DD352/S	DD353/S	DD354/S	DD355/S	DD356/S	Unit
Peak Repetitive Reverse Voltage	V <sub>RRM</sub>								V
Working Peak Reverse Voltage	V <sub>RWM</sub>	50	100	200	300	400	500	600	
DC Blocking Voltage	V <sub>R</sub>								
RMS Reverse Voltage	V <sub>R(RMS)</sub>	35	70	140	210	280	350	420	V
Average Rectified Output Current @ $T_C = 120^\circ\text{C}$	I <sub>O</sub>	35							A
Non-Repetitive Peak Forward Surge Current 8.3ms Single Half Sine-Wave Superimposed on Rated Load (JEDEC Method)	I <sub>FSM</sub>	400							A
Forward Voltage @ $I_F = 35\text{A}$	V <sub>FM</sub>	1.0							V
Peak Reverse Current @ $T_A = 25^\circ\text{C}$ At Rated DC Blocking Voltage @ $T_A = 100^\circ\text{C}$	I <sub>RM</sub>	5.0 500							$\mu\text{A}$
Typical Junction Capacitance (Note 1)	C <sub>J</sub>	300							pF
Typical Thermal Resistance (Note 2)	R <sub>JC</sub>	1.0							$^\circ\text{C/W}$
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-65 to +175							$^\circ\text{C}$

Note: 1. Measured at 1.0 MHz and applied reverse voltage of 4.0V D.C.  
 2. Thermal Resistance: Junction to case, single side cooled.

## ORDERING INFORMATION

Product No.	Package Type	Shipping Quantity
DD350	9.5mm Dish Press-Fit	500 Units/Box
DD350S	8.4mm Dish Press-Fit	1000 Units/Box
DD351	9.5mm Dish Press-Fit	500 Units/Box
DD351S	8.4mm Dish Press-Fit	1000 Units/Box
DD352	9.5mm Dish Press-Fit	500 Units/Box
DD352S	8.4mm Dish Press-Fit	1000 Units/Box
DD353	9.5mm Dish Press-Fit	500 Units/Box
DD353S	8.4mm Dish Press-Fit	1000 Units/Box
DD354	9.5mm Dish Press-Fit	500 Units/Box
DD354S	8.4mm Dish Press-Fit	1000 Units/Box
DD355	9.5mm Dish Press-Fit	500 Units/Box
DD355S	8.4mm Dish Press-Fit	1000 Units/Box
DD356	9.5mm Dish Press-Fit	500 Units/Box
DD356S	8.4mm Dish Press-Fit	1000 Units/Box

- Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.
- To order Lead Free version (with Lead Free finish), add "-LF" suffix to part number above. For example, DD350-LF.**

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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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