



# DD350/S – DD356/S



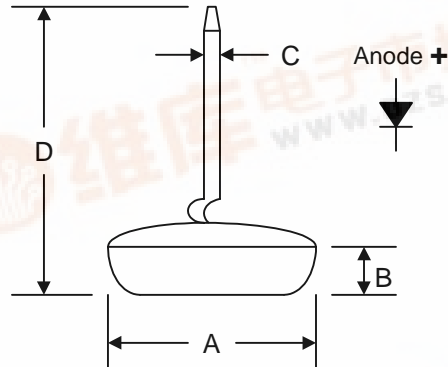
## 35A GLASS PASSIVATED DISH TYPE PRESS-FIT DIODE

### Features

- Glass Passivated Die Construction
- Low Leakage
- Low Cost
- High Surge Current Capability
- Low Forward
- 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	2.0	2.40
C	1.50 Ø Typical			
D	17.50	—	17.50	—
All Dimensions in mm				

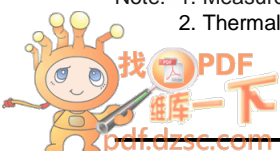
"S" Suffix Designates 8.4mm Dish  
No Suffix Designates 9.5mm Dish

### 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	DD350/ S	DD351/ S	DD352/ S	DD353/ S	DD354/ S	DD355/ S	DD356/ S	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V <sub>RRM</sub> V <sub>RWM</sub> V <sub>R</sub>	50	100	200	300	400	500	600	V
RMS Reverse Voltage	V <sub>R(RMS)</sub>	35	70	140	210	280	350	420	V
Average Rectified Output Current @T <sub>C</sub> = 150°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 <sub>F</sub> = 35A	V <sub>FM</sub>	1.0							V
Peak Reverse Current @T <sub>A</sub> = 25°C At Rated DC Blocking Voltage @T <sub>A</sub> = 100°C	I <sub>RM</sub>	5.0 500							μA
Typical Junction Capacitance (Note 1)	C <sub>j</sub>	300							pF
Typical Thermal Resistance (Note 2)	R <sub>θJC</sub>	1.0							°C/W
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-65 to +175							°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	2000 Units/Box
DD350S	8.4mm Dish Press-Fit	2000 Units/Box
DD351	9.5mm Dish Press-Fit	2000 Units/Box
DD351S	8.4mm Dish Press-Fit	2000 Units/Box
DD352	9.5mm Dish Press-Fit	2000 Units/Box
DD352S	8.4mm Dish Press-Fit	2000 Units/Box
DD353	9.5mm Dish Press-Fit	2000 Units/Box
DD353S	8.4mm Dish Press-Fit	2000 Units/Box
DD354	9.5mm Dish Press-Fit	2000 Units/Box
DD354S	8.4mm Dish Press-Fit	2000 Units/Box
DD355	9.5mm Dish Press-Fit	2000 Units/Box
DD355S	8.4mm Dish Press-Fit	2000 Units/Box
DD356	9.5mm Dish Press-Fit	2000 Units/Box
DD356S	8.4mm Dish Press-Fit	2000 Units/Box

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, 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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