



DD350/S – DD356/S



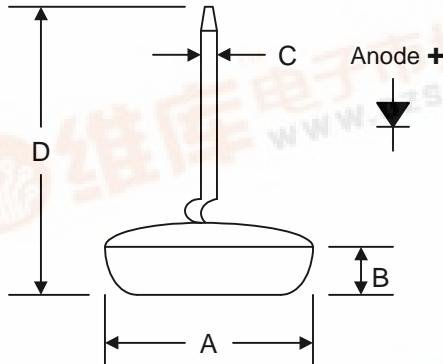
35A GLASS PASSIVATED DISH TYPE PRESS-FIT DIODE

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_A=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	V _{RRM}								
Working Peak Reverse Voltage	V _{RWM}	50	100	200	300	400	500	600	V
DC Blocking Voltage	V _R								
RMS Reverse Voltage	V _R (RMS)	35	70	140	210	280	350	420	V
Average Rectified Output Current <small>@T_C = 150°C</small>	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 <small>@I_F = 35A</small>	V _{FM}				1.0				V
Peak Reverse Current <small>@T_A = 25°C</small> At Rated DC Blocking Voltage <small>@T_A = 100°C</small>	I _{RM}				5.0				μA
Typical Junction Capacitance (Note 1)	C _j				300				pF
Typical Thermal Resistance (Note 2)	R _{θJC}				1.0				°C/W
Operating and Storage Temperature Range	T _J , T _{STG}				-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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