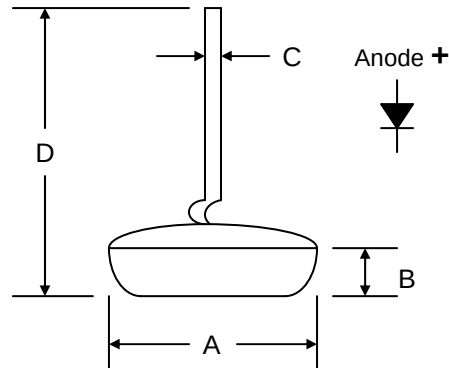


Features

- 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. DD250R or DD250SR)
- 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°C unless otherwise specified

Single Phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Characteristic	Symbol	DD250/ S	DD251/ S	DD252/ S	DD253/ S	DD254/ S	DD255/ S	DD256/ S	Unit
Peak Repetitive Reverse Voltage	V _{RRM}	50	100	200	300	400	500	600	V
Working Peak Reverse Voltage	V _{RWM}								
DC Blocking Voltage	V _R								
RMS Reverse Voltage	V _{R(RMS)}	35	70	140	210	280	350	420	V
Average Rectified Output Current @T _C = 120°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}	300							A
Forward Voltage @I _F = 25A	V _{FM}	1.0							V
Peak Reverse Current @T _A = 25°C At Rated DC Blocking Voltage @T _A = 100°C	I _{RM}	5.0 500							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
DD250	9.5mm Dish Press-Fit	500 Units/Box
DD250S	8.4mm Dish Press-Fit	1000 Units/Box
DD251	9.5mm Dish Press-Fit	500 Units/Box
DD251S	8.4mm Dish Press-Fit	1000 Units/Box
DD252	9.5mm Dish Press-Fit	500 Units/Box
DD252S	8.4mm Dish Press-Fit	1000 Units/Box
DD253	9.5mm Dish Press-Fit	500 Units/Box
DD253S	8.4mm Dish Press-Fit	1000 Units/Box
DD254	9.5mm Dish Press-Fit	500 Units/Box
DD254S	8.4mm Dish Press-Fit	1000 Units/Box
DD255	9.5mm Dish Press-Fit	500 Units/Box
DD255S	8.4mm Dish Press-Fit	1000 Units/Box
DD256	9.5mm Dish Press-Fit	500 Units/Box
DD256S	8.4mm Dish Press-Fit	1000 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, DD250-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.

Won-Top Electronics Co., Ltd.
No. 44 Yu Kang North 3rd Road,
Chine Chen Dist., Kaohsiung 806, 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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