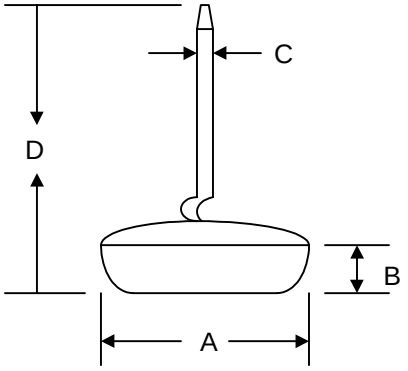
DD200/S – DD206/S

20A 8.4mm/9.5mm DISH DIODE

Features

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



	8.4mm Dish		9.5mm Dish	
Dim	**Min**	**Max**	**Min**	**Max**
A	8.35	8.45	9.50	9.72
B	2.0	2.16	2.0	2.16
C	1.43	1.47	1.43	1.47
D	22.3	—	22.3	—
All Dimensions in mm				

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

Mechanical Data

- Case: All Copper Case and Components Hermetically Sealed
- Terminals: Contact Areas Readily Solderable
- Polarity: Cathode to Case(Reverse Units Are Available Upon Request and Are Designated By An "R" Suffix, i.e. DD202R or DD204SR)
- Polarity: Red Color Equals Standard, Black Color Equals Reverse Polarity
- Mounting Position: Any

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	DD200/S	DD201/S	DD202/S	DD203/S	DD204/S	DD205/S	DD206/S	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V_{RRM} V_{RWM} V_R	50	100	200	300	400	500	600	V
RMS Reverse Voltage	$V_{R(RMS)}$	35	70	140	210	280	350	420	V
Average Rectified Output Current @T_A = 150°C	I_O	20							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 = 20A	V_{FM}	1.1							V
Peak Reverse Current @T_A = 25°C At Rated DC Blocking Voltage @T_A = 100°C	I_{RM}	100 500							μA
Typical Junction Capacitance (Note 1)	C_j	300							pF
Typical Thermal Resistance Junction to Case (Note 2)	$R_{\theta JC}$	1.0							K/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
DD200	Press Fit	200 Units/Tray
DD200S	Press Fit	200 Units/Tray
DD201	Press Fit	200 Units/Tray
DD201S	Press Fit	200 Units/Tray
DD202	Press Fit	200 Units/Tray
DD202S	Press Fit	200 Units/Tray
DD203	Press Fit	200 Units/Tray
DD203S	Press Fit	200 Units/Tray
DD204	Press Fit	200 Units/Tray
DD204S	Press Fit	200 Units/Tray
DD205	Press Fit	200 Units/Tray
DD205S	Press Fit	200 Units/Tray
DD206	Press Fit	200 Units/Tray
DD206S	Press Fit	200 Units/Tray

Shipping quantity given is for minimum packing quantity only. For minimum order quantity, please consult the Sales Department.

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