

Features

- High Current Density
- Ultra Low Thermal Resistance
- Very Low Forward Voltage Drop
- All Diffused Structure
- Ceramic Housing Hermetic Package

Applications

- Resistance Welding
- Rectifiers for Galvanic Applications
- Low Voltage High Current Rectifier

Maximum Ratings

- Operating Junction Temperature Range: -40°C to +180°C
- Storage Temperature Range: -40°C to +180°C
- Max. Thermal Resistance: 0.039°C/W Junction to Case(Double sided cooled)
- Max. Thermal Resistance: 0.026°C/W Junction to Case(Single sided cooled)
- Max. Clamping Force: 40KN
- Typ. Weight: 140g

MCC Part Number	V _{RRM}	V _{RSM}
DZW13500-02	200V	300V
DZW13500-04	400V	450V

Electrical Characteristics @ 25°C Unless Otherwise Specified

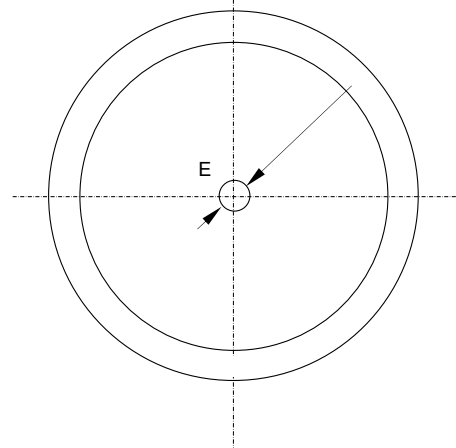
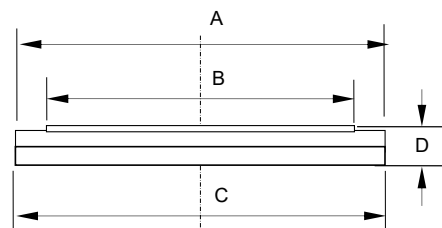
Max. Average Forward Current	I _{F(AV)}	13500A	T _C =85°C, θ = 180° Sine Pulse
Max. RMS Forward Current	I _{F(RSM)}	21200A	
Max. Peak One Cycle Surge (Non Repetitive) Current	I _{FSM}	85000A	t=10ms, Half Sine Pulse, T _J =180°C;
Max. Rating for Fusing	I ² t	36100KA ² s	
Max. Peak Forward Voltage	V _{FM}	0.97V	I _{FM} =5000A, T _J =25°C;
Max. Repetitive Peak Reverse Current	I _{RRM}	10mA 75mA	V _R =V _{RRM} , T _J =25°C; V _R =V _{RRM} , T _J =180°C;
Max. Threshold Voltage	V _{TO}	0.76V	T _J =180°C;
Max. Slope Resistance	r _T	0.021mΩ	T _J =180°C;

W4



**13500 Amp
Welding Diode
200V~400V**

W4



DIM	DIMENSIONS				NOTE
	INCHES		MM		
	MIN	MAX	MIN	MAX	
A	2.500		63.50		Φ
B	2.244		57.00		Φ
C	2.500		63.50		Φ
D	0.197	0.213	5.00	5.40	
E	0.138X0.059		3.5X1.5		Φ

Ordering Information

Device	Packing
Part Number-BP	Bulk: 12pcs/Box ;60pcs/Ctn

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