

Features

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

Applications

- · Resistance Welding
- Recitifiers for Galvanic Applications
- · Low Voltage High Current Rectifier

Maximum Ratings

- Operating Junction Temperature Range: -40°C to +170°C
- Storage Temperature Range: -40°C to +170°C
- Max. Thermal Resistance: 0.006°C/W Junction to Case(Double sided cooled)
- Max. Thermal Resistance: 0.012°C/W Junction to Case(Single sided cooled)
- Max. Clamping Force: 30KN
- Typ. Weight: 205g

MCC Part Number	V_{RRM}	V_{RSM}
DZW12000-02	200V	300V
DZW12000-04	400V	450V

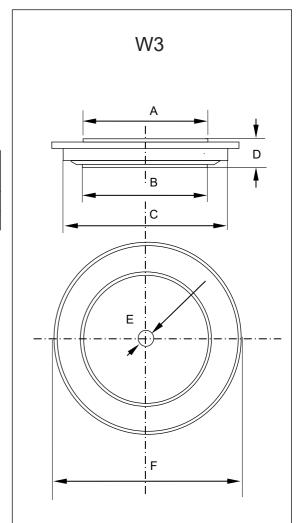
Electrical Characteristics @ 25°C Unless Otherwise Specified

Max. Average Forward Current	I _{F(AV)}	12000A	T_C =85°C, θ = 180° Sine Pulse	
Max. RMS Forward Current	I _{F(RSM)}	18800A		
Max. Peak One Cycle Surge (Non Repetitive) Current	I _{FSM}	85000A	t=10ms,Half Sine Pulse,T _J =170ºC;	
Max. Rating for Fusing	l²t	36100KA ² s		
Max. Peak Forward Voltage	V_{FM}	0.99V	I _{FM} =5000A,T _J =25°C;	
Max. Repetitive Peak Reverse Current	I _{RRM}	15mA 50mA	$V_R=V_{RRM}$, $T_J=25$ °C; $V_R=V_{RRM}$, $T_J=170$ °C;	
Max. Threshold Voltage	V_{TO}	0.74V	Т _Ј =170°С;	
Max. Slope Resistance	r _T	0.019mΩ	T _J =170°C;	

W3



12000 Amp Welding Diode 200V~400V



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	NOTE
Α	2.244		57.00		Φ
В	2.244		57.00		Ф
С	2.815		71.50		Ф
D	0.315	0.331	8.00	8.40	
Е	0.138X0.059		3.5X1.5		Ф
F	-	2.953	-	75.00	Ф



Ordering Information

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

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