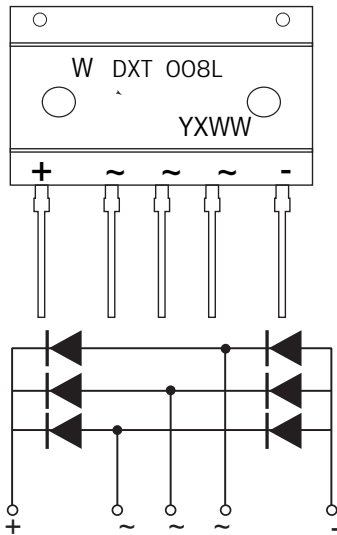


Low VF Three-phase Bridge Rectifiers



Features

- ~ Glass Encapsulated Chip Rectifier
- ~ Low VRRM
- ~ Low VF
- ~ High VRRM
- ~ Special frame design for heat dissipation

Benefits

- Case: DXT
- Terminals: Solderable Per MIL-STD-750
- Reduced power loss and switching transistor

Parameter	Symbols	DXT6008L	
Maximum Repetitive Peak Reverse Voltage	VRRM	800	V
Maximum RMS voltage	VRMS	560	V
Maximum DC Blocking Voltage	VDC	800	V
Average Rectified Output Current	Io	60	A
Peak Forward Surge Current 8.3 ms Single Half Sine Wave Superimposed on Rated Load (JEDEC Method)	IFSM	450	A
I ² t rating for fusing (1ms < t < 10ms)	I ² t	840	A ² S
Type Forward Voltage at 30.0A	VF	0.93	V
Maximum Forward Voltage at 30.0 A			
Maximum DC Reverse Current @TA=25 °C at Rated DC Blocking Voltage @TA=125 °C	IR	10 500	μA
Typical Junction Capacitance Note1	Cj	50	pF
Operating and Storage Temperature Range	Tj, Tstg	-55 ~ +1	°C

Note: 1. Measured at 1MHz and applied reverse voltage of 4 VDC.

2. Mounted on glass epoxy PC board with 4x1.5"x1.5" (3.81x3.81 cm) copper pad.

RATINGS AND CHARACTERISTICS CURVES (TA = 25 °C unless otherwise noted)

Figure 4. Derating Curve

g

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