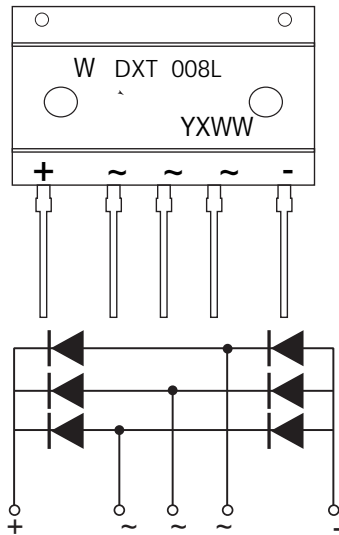


Low VF Three-phase Bridge Rectifiers



- Glass Passivated Chip Junction
- Low IRRM
- Low VF
- High VRRM
- Special frame design for heat dissipation

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

	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	I _o	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	C _j	50	pF
Operating and Storage Temperature Range	T _j , T _{stg}	-55 ~ +1	°C

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

2. Mounted on glass epoxy PC board with 4×1.5"×1.5" (3.81×3.81 cm) copper pad.

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

Figure 1. Derating Curve

g

p

