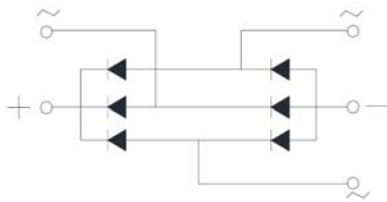




- UL recognition, file #E230084
- Low thermal resistance
- Glass passivated chip junction
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

General purpose use in AC/DC bridge full wave rectification
for Server Frequency converter Industrial power supply.



- : MT-B
Molding compound meets UL 94 V-0 flammability rating, RoHS-compliant
- : Au plated leads, solderable per J-STD-002 and JESD22-B102
- As marked on body

($T_a=25$ Unless otherwise specified)

Device marking code				MT3504B	MT3506B	MT3508B	MT3510B	MT3512B	MT3514B	MT3516B
Maximum Repetitive Peak Reverse Voltage		VRRM	V	400	600	800	1000	1200	1400	1600
Maximum RMS Voltage		VRMS	V	280	420	560	700	840	980	1120
Maximum DC blocking Voltage		VDC	V	400	600	800	1000	1200	1400	1600
Average rectified output current @60Hz sine wave, R-load	With heatsink Tc =110 ™	IO	A	35						
Forward Surge Current (Non-repetitive) @8.3ms,Half-sine wave,1 cycle, Tj=25 ™		IFSM	A	400						
Current squared time @1ms≤t≤8.3ms Tj=25 ™ , Rating of per diode		I²t	A²s	664						
Storage temperature		Tstg	™	-55 ~ +150						
Junction temperature		Tj	™	-55 ~ +150						
Dielectric strength @ Terminals to case, AC 1 minute		Vdis	KV	2.5						
Mounting torque @Recommend torque 5kg cm		Tor	kg cm	8						



■ Ta=25 Unless otherwise specified

Maximum instantaneous forward voltage drop per diode	VF	V	IFM=17.5A	1.1						
Maximum DC reverse current at rated DC blocking voltage per diode	IR	μA	Tj=25 †	5						
			Tj=125 †	500						
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C	200				150		

■





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