



Three Phase Bridge Rectifiers



Features

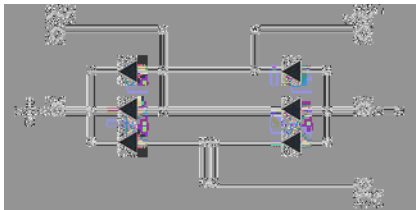
- UL recognition, file #E230084
- Low thermal resistance
- Glass passivated chip junction
- High surge current capability
- Solder dip 275 °C max. 7 s, per JESD 22-B106

Typical Applications

General purpose use in AC/DC bridge full wave rectification for

Mechanical Data

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



■Maximum Ratings (T_a=25 Unless otherwise specified

PARAMETER		SYMBOL	UNIT	MT2518A
Device marking code				MT2518A
Maximum Repetitive Peak Reverse Voltage		VRRM	V	1800
Maximum RMS Voltage		VRMS	V	1260
Maximum DC blocking Voltage		VDC	V	1800
Average rectified output current @60Hz sine wave, R-load	With heatsink Tc =115	IO	A	25
Forward Surge Current (Non-repetitive) @8.3ms,Half-sine wave,1 cycle, Tj=25		IFSM	A	400
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25				800
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



MT2518A

■Electrical Characteristics $T_a=25$ Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MT2518A
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