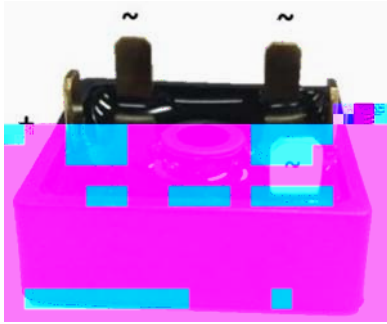


Three Phase Bridge Rectifiers

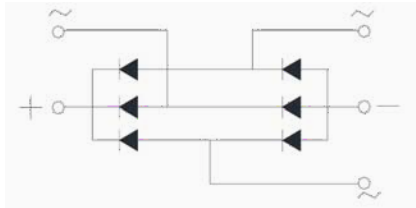


Features

- 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 Server Frequency converter Industrial power supply.



Mechanical Data

- Package:** MT-M
- Molding compound meets UL 94 V-0 flammability rating
- Terminals:** Gold 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	MT2506M	MT2508M	MT2510M	MT2512M	MT2514M	MT2516M
Device marking code			MT2506M	MT2508M	MT2510M	MT2512M	MT2514M	MT2516M

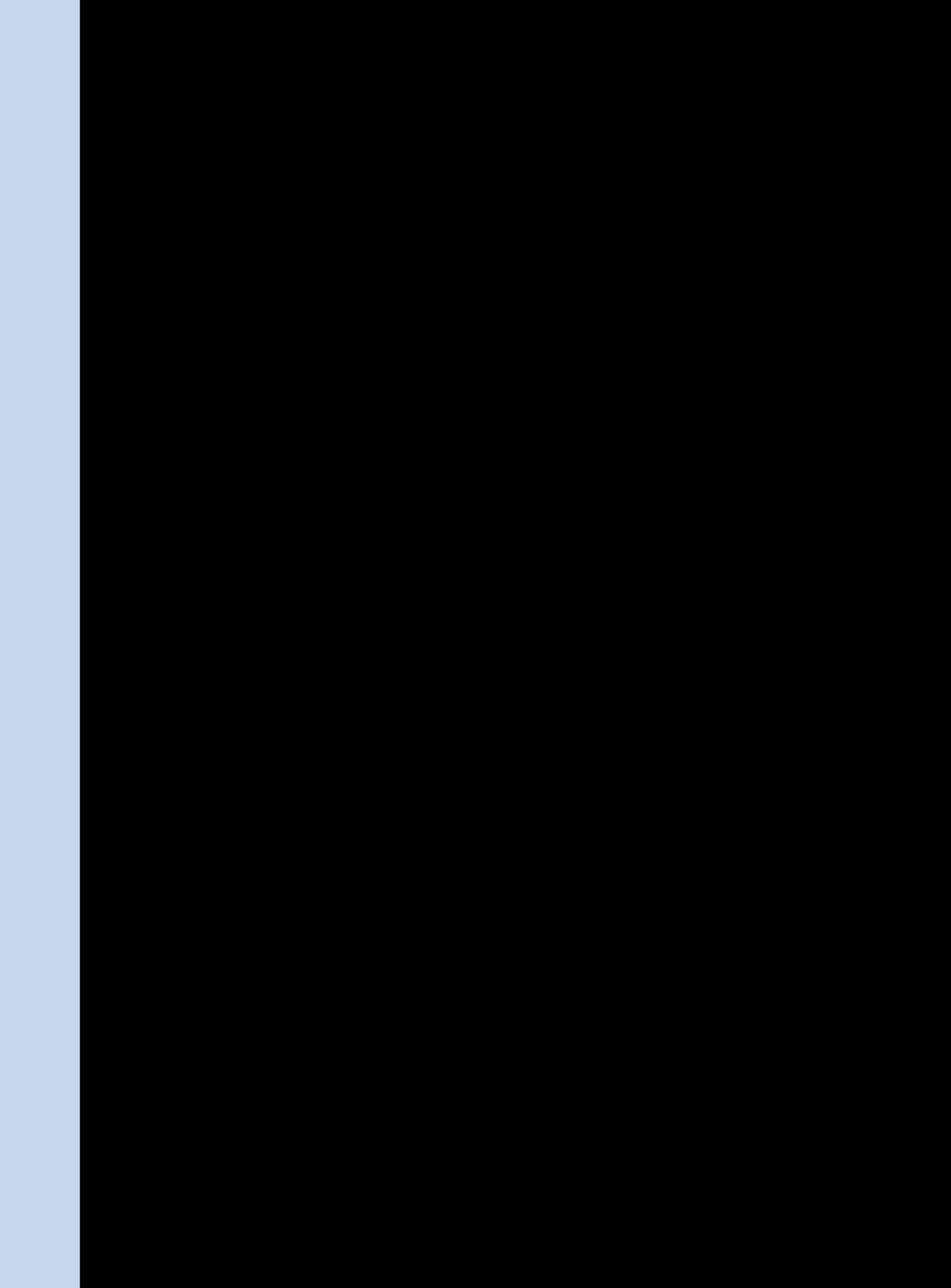
Maxi© /
@60Hz sine wave, R-load

With heatsink
T_c =115

I_O /
A /

yAverage rectified output current
25.0

Forward Surge Current (Non-repetitive) @8.3ms, Half-sine wave, 1 cycle, T _j =25	IFSM	A	400
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, T _j =25			800
Current squared time @1ms t 8.3ms T _j =25, Rating of per diode	I ² t	A ² s	664
Storage temperature	T _{stg}		-55 ~ +150
Junction temperature	T _j		-55 ~ +150
Dielectric strength @ Terminals to case, AC 1 minute	V _{dis}	KV	2.5
Mounting torque	Tor	kg cm	10



MT2506M THRU MT2516M

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