



MT5006M THRU MT5016M

Three Phase Bridge Rectifiers

Features

- UL recognition file E230084
- Low thermal resistance
- Glass passivated chip connection
- High surge current capability
- Solder dip 2 + 5 C max s \checkmark per > ESD 22-B106

Typical Applications

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

Mechanical Data

- Package: MT-M
- Molding compound meets UL - 4 V-0 flammability rating
- Terminals: Gold plated leads \checkmark solderable per > -STD-002 and > ESD22-B102
- Polarity: As marked on body

Maximum Ratings (Ta 1 25 Unless otherwise specified)

PARAMETER	SYMBOL	UNIT
-----------	--------	------



MT5006M THRU MT5016M

Electrical Characteristics T_a 125 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MT5006M	MT5008M	MT5010M	MT5012M	MT5014M	MT5016M
Maximum instantaneous forward voltage drop per diode	VF	V	IFM 1.25A	1.15					
Maximum DC reverse current at rated DC blocking voltage per diode	IR	A	T 125	5					
			T 125	500					
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0V DC	185					

Thermal Characteristics T_a 125 Unless otherwise specified

PARAMETER	SYMBOL	UNIT	MT5006M	MT5008M	MT5010M	MT5012M	MT5014M	MT5016M
Typical Thermal Resistance Between junction and case With heatsink	$R_{\theta j-c}$	$^{\circ}C/W$	0.5					

Note: Device mounted on +5mm x 45mm x 5mm Aluminum Plate Heatsink

Ordering Information (Example)

PREFERRED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MT5006M or MT5016M	A1	Approximate 16	50	50	500	Paper Box

Characteristics (Typical)

FIG1:Io-Tc Curve

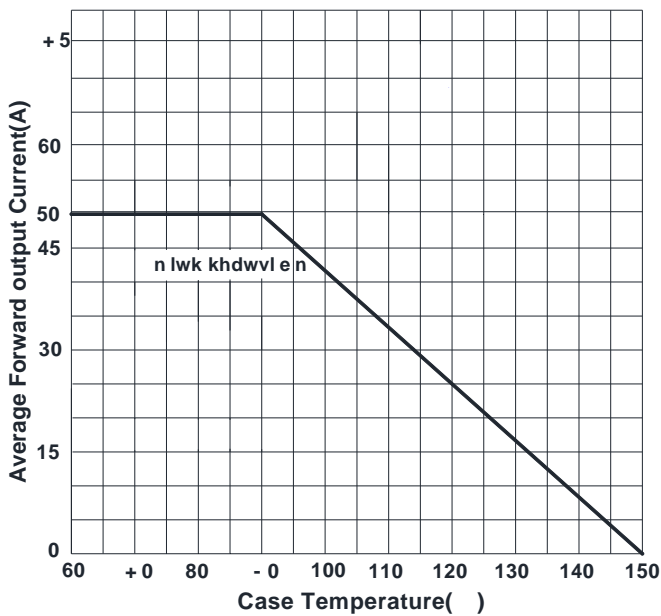
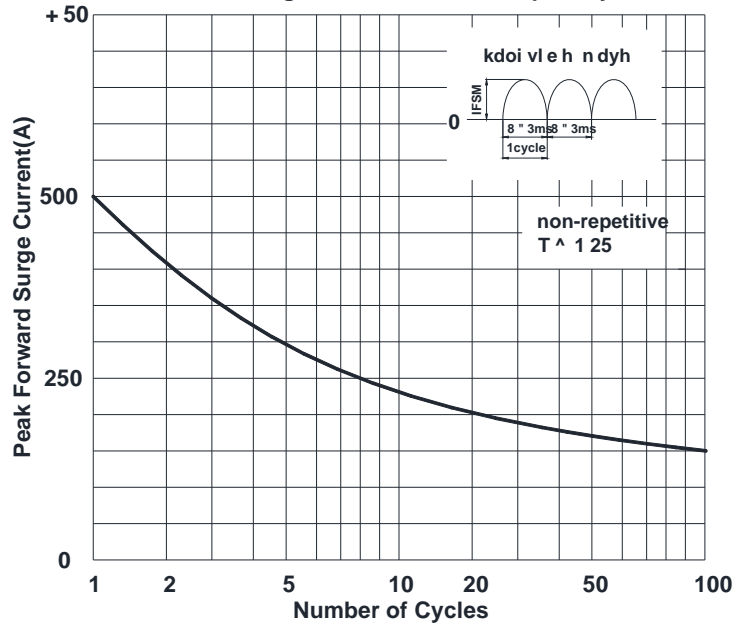


FIG2:Surge Forward Current Capability



& # (



MT5006M THRU MT5016M

Outline Dimensions

MT-M		
Dim	Min	Max
A	28 " 2	28 " 8
B	15 " 5	16 " 5
C	23 " 3	24 " 3
D	23 " 3	24 " 3
E	- " 0	10 " 0
F	14 " 5	15 " 5
G	3 " 8	4 " 2

MT5006M THRU MT5016M

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves

(# (')

G! 7 (\$) : MU b [n \ c i MU b [W]HY W\ b W h f e m]7 c " ž @ k * ' k " & % m U b [^]
F Y j " % " \$ ž \$ (! > i ` ! & (')