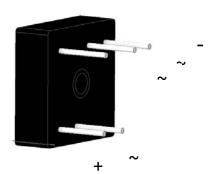
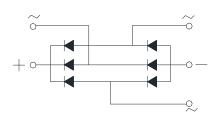






Three Phase Bridge Rectifiers





Features

- UL recognition, file #E230084
- Glass passivated chip junction
- Low reverse leakage current
- 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-W

Molding compound meets UL 94 V-0 flammability

rating, RoHS-compliant

• Terminals: Tin plated leads, solderable per

J-STD-002 and JESD22-B102

• Polarity: As marked on body

■Maximum Ratings (Ta=25°C Unless otherwise specified)

■Maximum Ratings (Ta=25 € Offiess otherwise specified)									
PARAMETER		SYMBOL	UNIT	MT2506W	MT2508W	MT2510W	MT2512W	MT2514W	MT2516W
Device marking code				MT2506W	MT2508W	MT2510W	MT2512W	MT2514W	MT2516W
Maximum Repetitive Pea Voltage	Maximum Repetitive Peak Reverse Voltage		V	600	800	1000	1200	1400	1600
Maximum RMS Voltage		VRMS	V	420	560	700	840	980	1120
Maximum DC blocking V	Maximum DC blocking Voltage		V	600	800	1000	1200	1400	1600
Average rectified output current @60Hz sine wave, R-load With heatsink Tc =100°C		10	А	25					
Forward Surge Current (Non-repetitive) @8.3ms Half-sine wave,1 cycle, Tj=25°C		IFSM	А	350					
Forward Surge Current (Non-repetitive) @1ms, square wave, 1 cycle, Tj=25°C		1	ζ.	700					
Current squared time @1ms≤t≤8.3ms Tj=25°C, Rating of per diode		l²t	A ² s	508					
Storage temperature		T _{stg}	°C	-55 ~ + 150					
Junction temperature		Tj	°C	-55 ~ +150					
Dielectric strength @ Terminals to case, AC 1 minute		Vdis	KV	2.5					
Mounting torque @Recommend torque: 5kg·cm		Tor	kg∙cm	8					

MT2506W THRU MT2516W

■Electrical Characteristics (Ta=25°C Unless otherwise specified)

PARAMETER	SYMBOL	UNIT	TEST CONDITIONS	MT2506W	MT2508W	MT2510W	MT2512W	MT2514W	MT2516W
Maximum instantaneous forward voltage drop per diode	VF	V	IFM=12.5A	1.1					
Maximum DC reverse current at rated DC blocking voltage	IR	μΑ	T _j =25°C	5					
per diode	ıK.		T _j =125°C		500				
Typical junction capacitance	Cj	pF	Measured at 1MHz and Applied Reverse Voltage of 4.0 V.D.C			1:	50		

■Thermal Characteristics (T_a=25°C Unless otherwise specified)

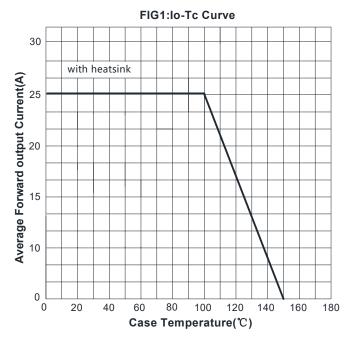
PARAMETER		SYMBOL	UNIT	MT2506W	MT2508W	MT2510W	MT2512W	MT2514W	MT2516W
Thermal	Between junction and ambient, Thermal Without heatsink		°C/W	25					
Resistance	Between junction and case, With heatsink	R ₀ J-C	C/VV			0	.9		

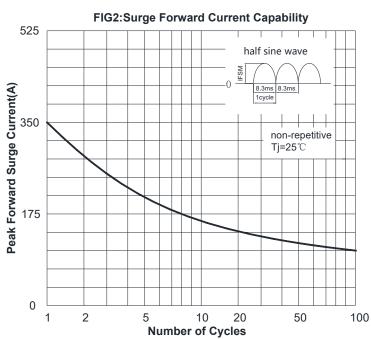
Note: Device mounted on 75mm x 45mm x 5.5mm Aluminum Plate Heatsink.

■Ordering Information (Example)

PREFERED P/N	PACKING CODE	UNIT WEIGHT(g)	MINIIMUM PACKAGE(pcs)	INNER BOX QUANTITY(pcs)	OUTER CARTON QUANTITY(pcs)	DELIVERY MODE
MT2506W – MT2516W	A1	Approximate 17.7	50	50	500	Paper Box

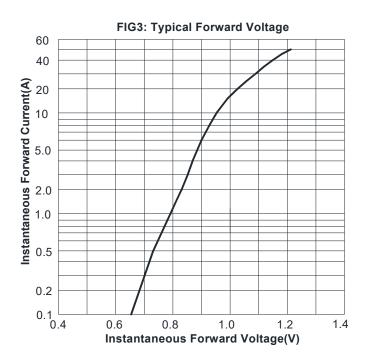
■ Characteristics (Typical)

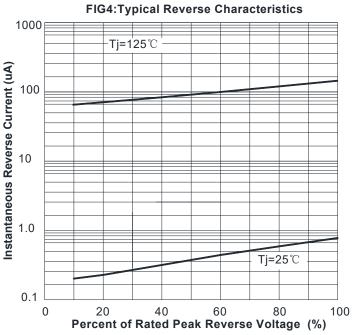




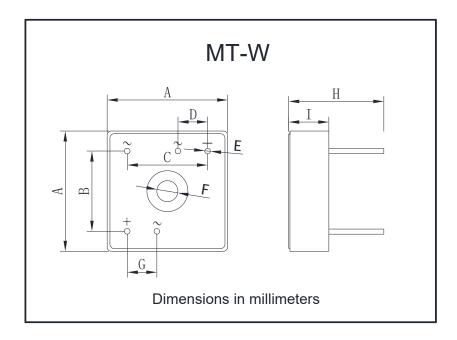


MT2506W THRU MT2516W





■ Outline Dimensions



	MT-W						
Dim	Min	Max					
Α	28.0	29.0					
В	18.5	19.5					
С	18.5	19.5					
D	6.5	7.5					
E	1.1	1.5					
F	4.5	5.5					
G	6.5	7.5					
Н	22.0	24.0					
ı	9.2	10.2					



MT2506W THRU MT2516W

Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of with would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website http://www.21yangjie.com, or consult your nearest Yangjie's sales office for further assistance.