

HIGH VOLTAGE POWER SCHOTTKY RECTIFIER

Description

Dual center tap schottky rectifier designed for high frequency Switched Mode Power Supplies.

Major Ratings and Characteristics

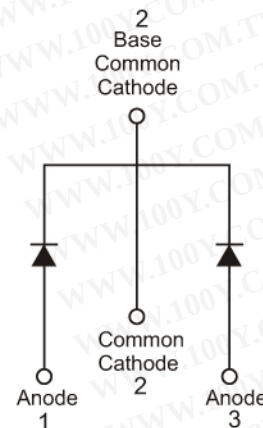
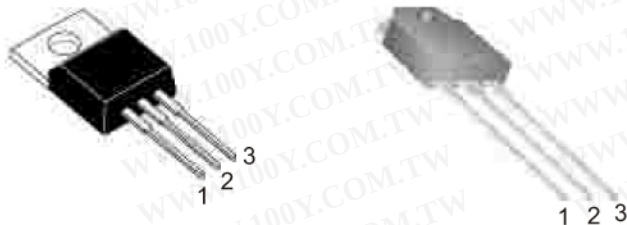
Characteristics	Values	Unit
$I_{F(AV)}$ Rectangular waveform	2 X 15	A
V_{RRM}	60	V
V_F @15 Apk, $T_C = 125^\circ\text{C}$ (per leg)	0.64	V
T_J range	-45 ~ 150	$^\circ\text{C}$

Features

- ◆ HIGH JUNCTION TEMPERATURE CAPABILITY
- ◆ GOOD TRADE OFF BETWEEN LEAKAGE CURRENT AND FORWARD VOLTAGE DROP
- ◆ LOW LEAKAGE CURRENT

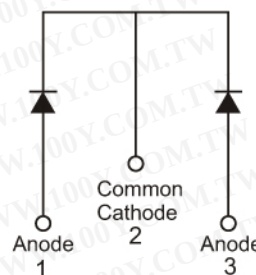
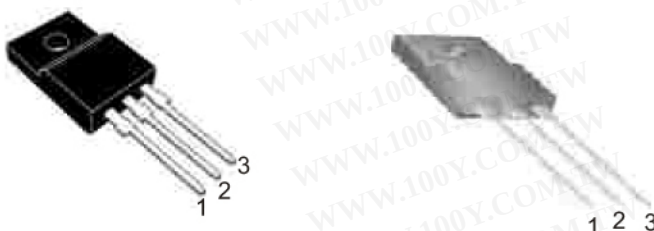
TO-220AB

TO-3P



TO-220FPAB

TO-3PF



勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-34970699
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[Http://www.100y.com.tw](http://www.100y.com.tw)

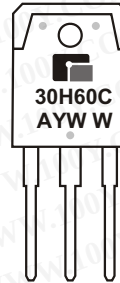
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◆ MARKING INFORMATION

TO - 220AB



TO - 3P



A : Assembly Location
Y : Year
WW : Weekly

◆ ORDERING INFORMATION

Ordering Number	Package	Shipping
GMR30H60CTB3T	TO - 220AB	50 Unit/ Tube
GMR30H60CTBF3T	TO - 220FPAB	50 Unit/ Tube
GMR30H60CTP3T	TO - 3P	30 Unit/ Tube
GMR30H60CTPF3T	TO - 3PF	30 Unit/ Tube

* For detail Ordering Number identification, please see last page.

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◆ ABSOLUTE RATINGS ($T_C = 25^\circ\text{C}$)

Symbol	Parameter		Value	Unit
V_{RRM}	Repetitive peak reverse voltage		60	V
$I_{F(AV)}$	Maximum average forward rectified current	per diode per device	15 30	A
I_{FSM}	Peak forward surge current 8.3ms single half sine-wave superimposed on rated load per leg.(Non-Repetitive)		275	A
T_j, T_{stg}	Operating junction temperature and storage temperature		-45 to + 150	$^\circ\text{C}$

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◆ Thermal Characteristics (T_c = 25°C unless otherwise noted)

Parameter	Symbol	TO-220AB	TO-220FPAB	TO-3P	TO-3PF	Unit
Typical thermal resistance per leg	R _{ΘJC}	1.7	3.5	1.0	1.2	°C/W

◆ Electrical Characteristics (T_c = 25°C unless otherwise noted)

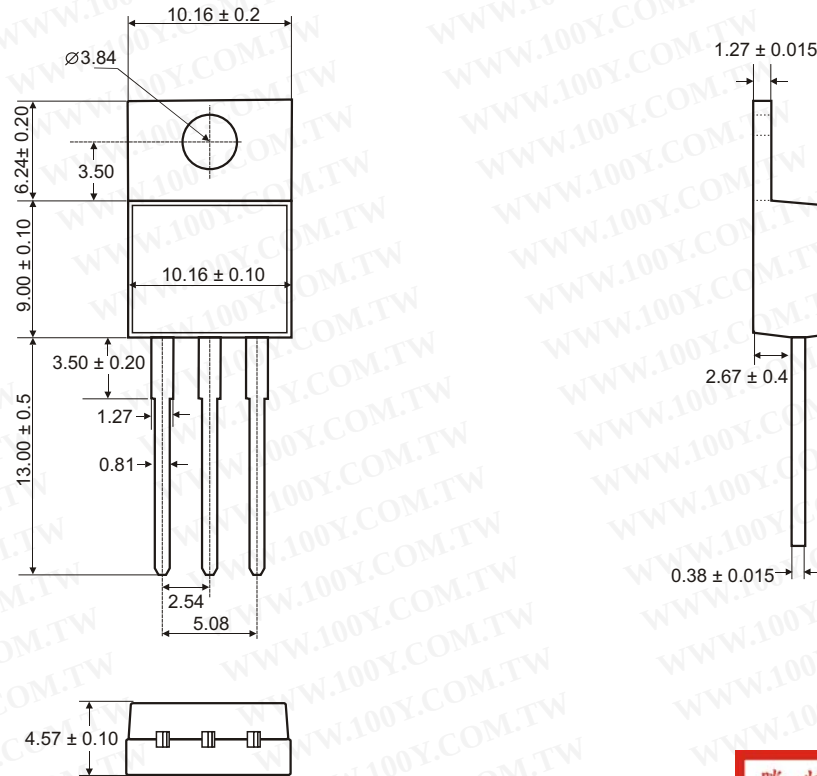
Parameter	Symbol	Value	Unit
Maximum instantaneous forward voltage per leg (Note 1)	V _F	I _F = 15A, T _C = 25°C	0.75
		I _F = 15A, T _C = 125°C	0.64
		I _F = 30A, T _C = 25°C	-
		I _F = 30A, T _C = 125°C	-
Maximum reverse current per leg at working peak reverse voltage (Note 1)	I _R	T _J = 25°C	10
		T _J = 125°C	10

Note 1: Pulse Test: Pulse Width= 300μs, Duty Cycle ≤2.0%

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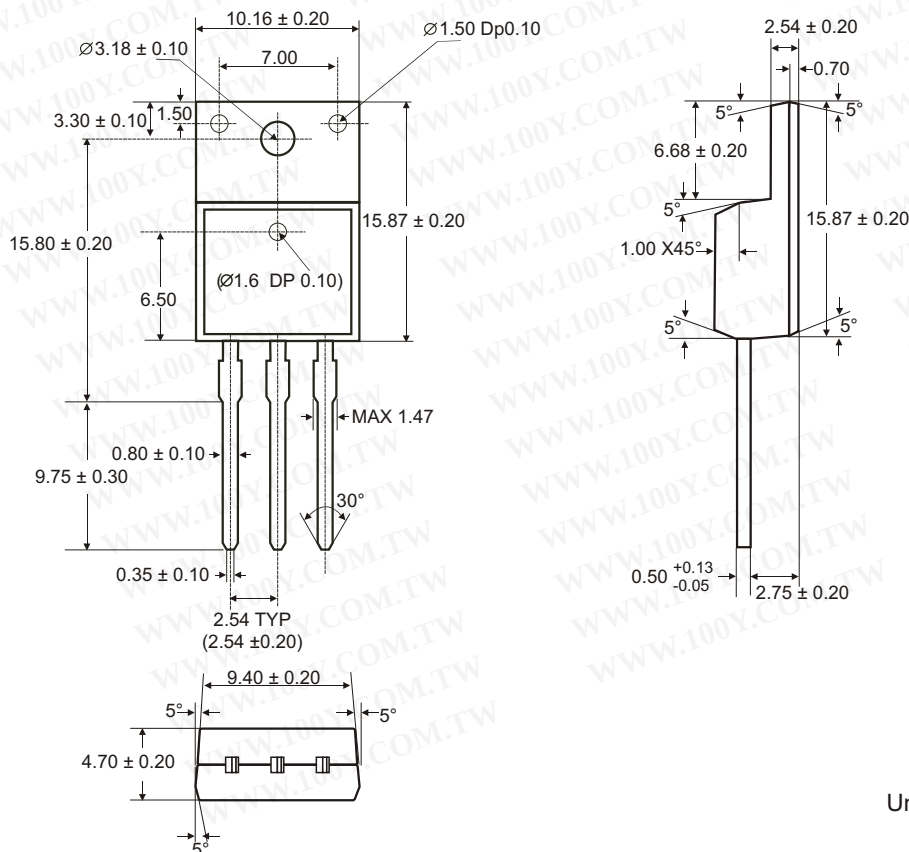
◆ TO-220AB PACKAGE OUTLINE DIMENSIONS



Unit: mm

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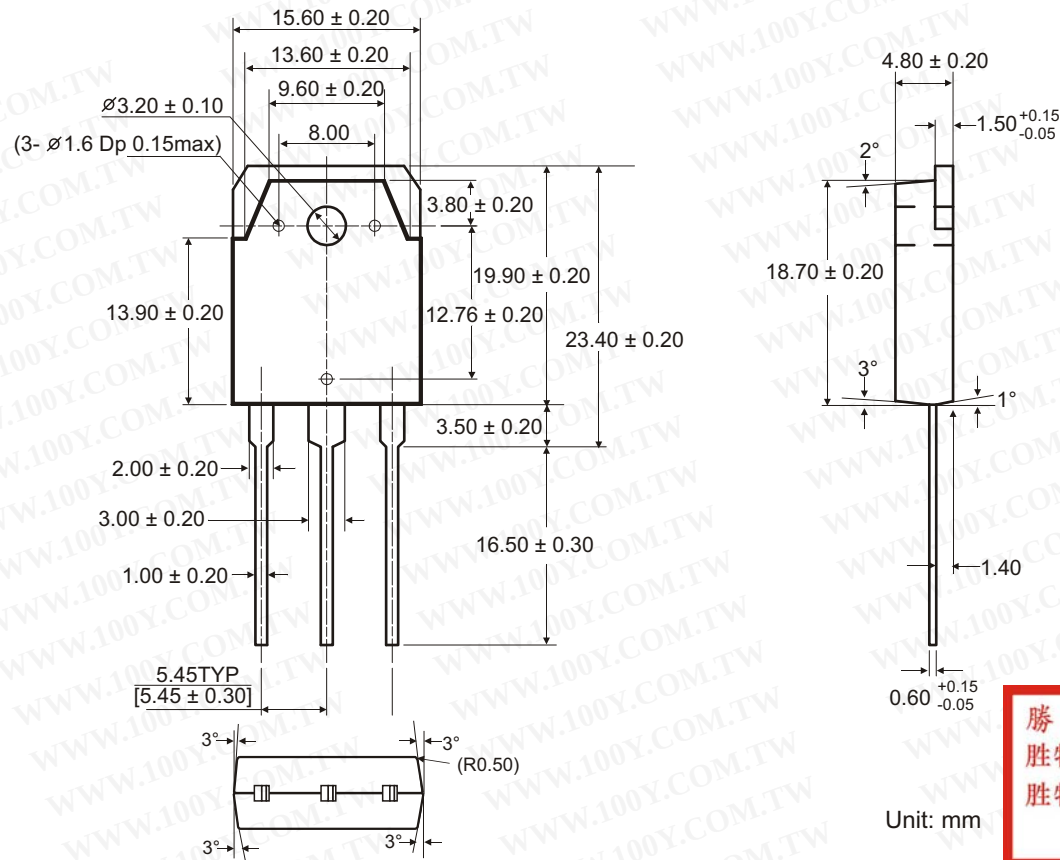
◆ TO-220FPAB PACKAGE OUTLINE DIMENSIONS



Unit: mm

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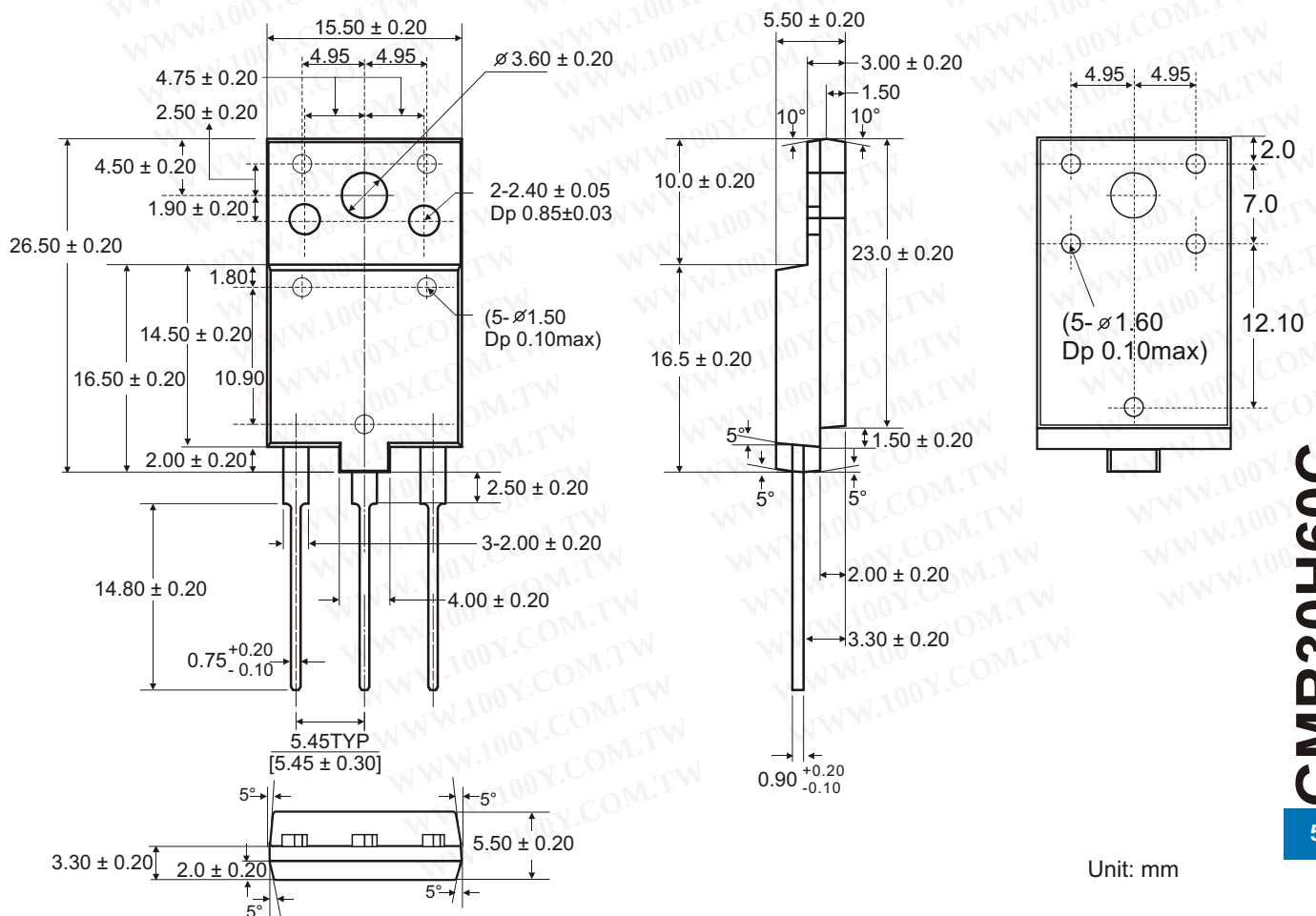
◆ TO-3P PACKAGE OUTLINE DIMENSIONS



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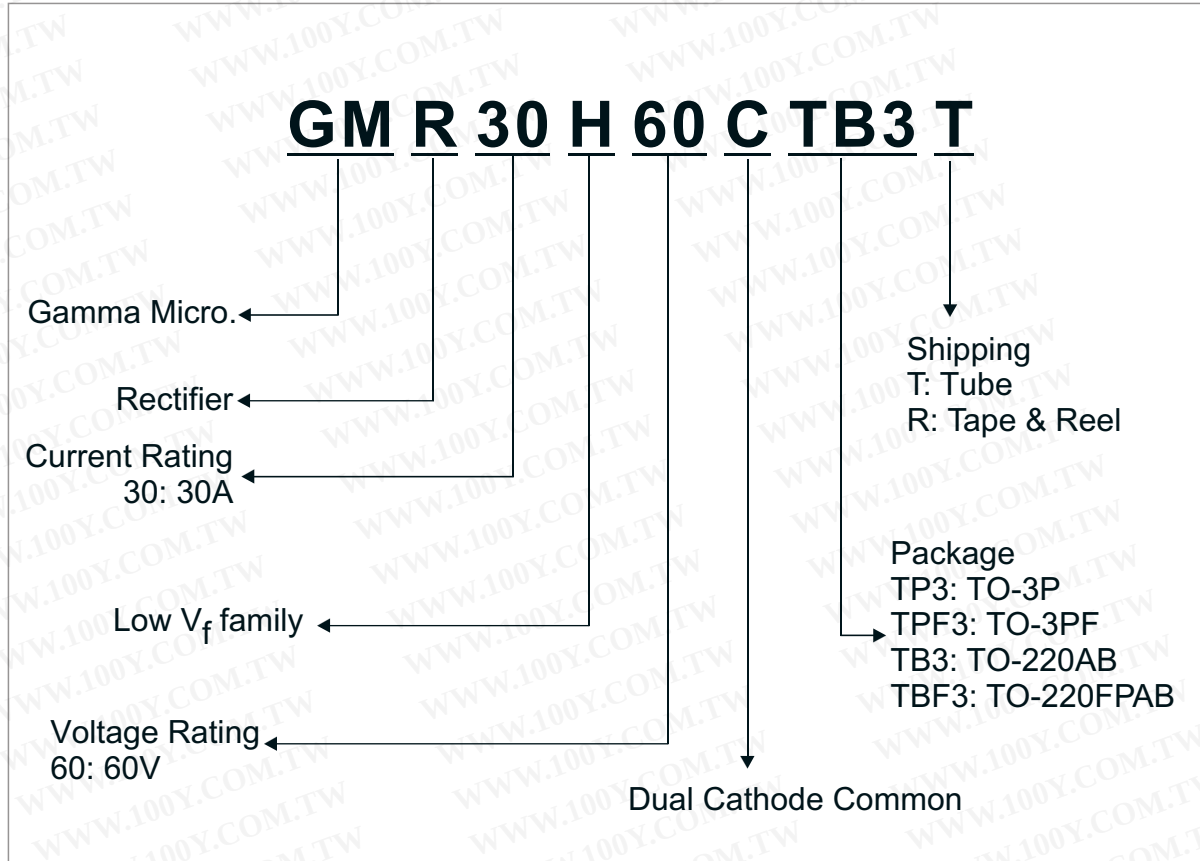
Unit: mm

◆ TO-3PF PACKAGE OUTLINE DIMENSIONS



Unit: mm

◆ ORDERING NUMBER



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