

Description

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

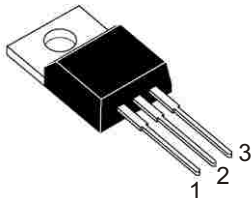
Major Ratings and Characteristics

Characteristics	Values	Unit
$I_{F(AV)}$ Rectangular waveform	2 X 15	A
V_{RRM}	100	V
V_F @15 Apk, $T_C = 125^\circ\text{C}$ (per leg)	0.64	V
T_J range	-45 ~ +150	$^\circ\text{C}$

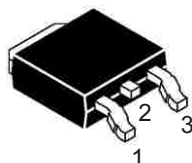
FEATURES

- ◆ High junction temperature capability
- ◆ Good trade off between leakage current and forward voltage drop
- ◆ Low leakage current

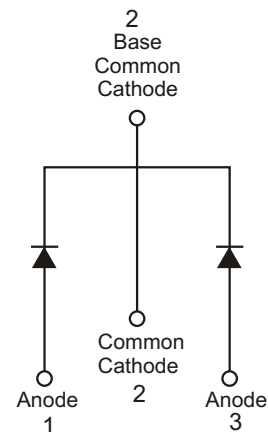
TO-220AB



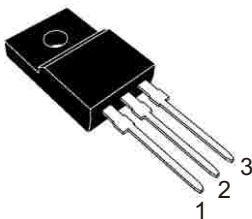
TO-263-2(D²PAK)



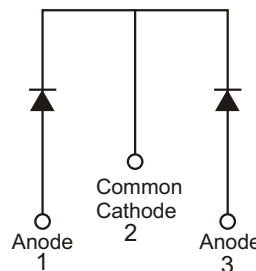
TO-3P



TO-220FPAB

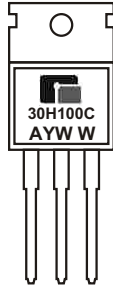


TO-3PF

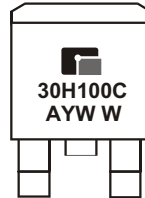


◆ MARKING INFORMATION

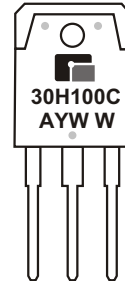
TO - 220AB



TO-263-2 (D²PAK)



TO - 3P



A : Assembly Location
Y : Year
WW : Weekly

◆ ORDERING INFORMATION

Ordering Number	Package	Shipping
GMR30H100CTA3T	TO - 263-2	50 Unit/ Tube
GMR30H100CTA3R	TO - 263-2	800 Unit/ Tape & Reel
GMR30H100CTB3T	TO - 220AB	50 Unit/ Tube
GMR30H100CTBF3T	TO - 220FPAB	50 Unit/ Tube
GMR30H100CTP3T	TO - 3P	30 Unit/ Tube
GMR30H100CTPF3T	TO - 3PF	30 Unit/ Tube

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

◆ ABSOLUTE RATINGS (T_C = 25°C)

Symbol	Parameter		Value	Unit
V _{RRM}	Repetitive peak reverse voltage		100	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	°C

◆ **Thermal Characteristics** ($T_c = 25^\circ\text{C}$ unless otherwise noted)

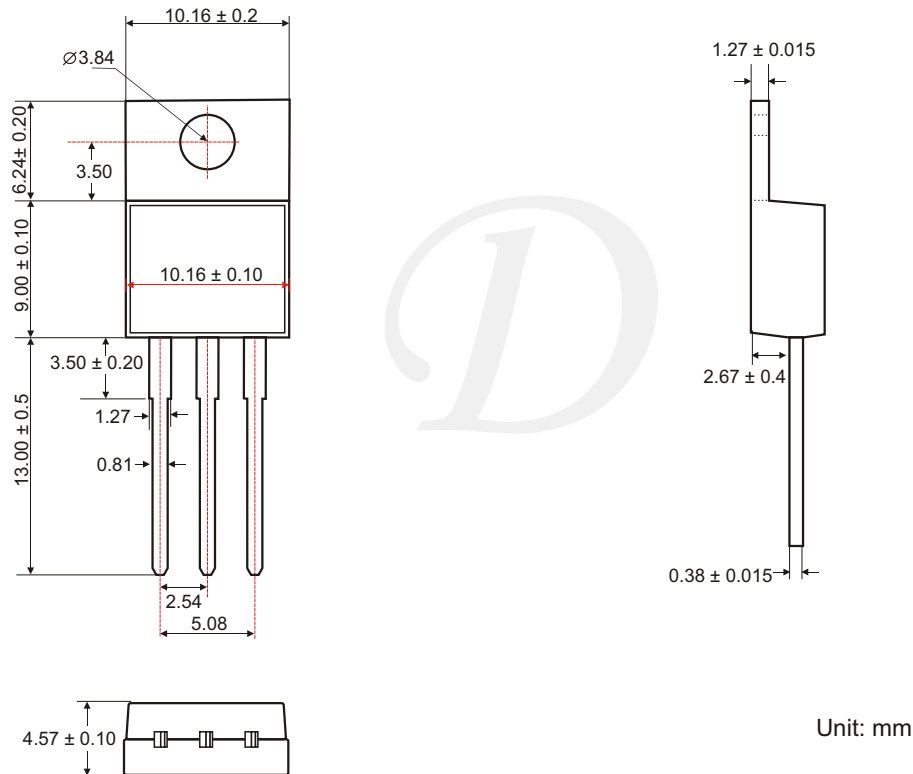
Parameter	Symbol	TO-220AB	TO-220FPAB	TO-263-2	TO-3P	TO-3PF	Unit
Typical thermal resistance per leg	$R_{\Theta JC}$	1.7	3.5	1.7	1.0	1.2	$^\circ\text{C/W}$

◆ **Electrical Characteristics** ($T_c = 25^\circ\text{C}$ unless otherwise noted)

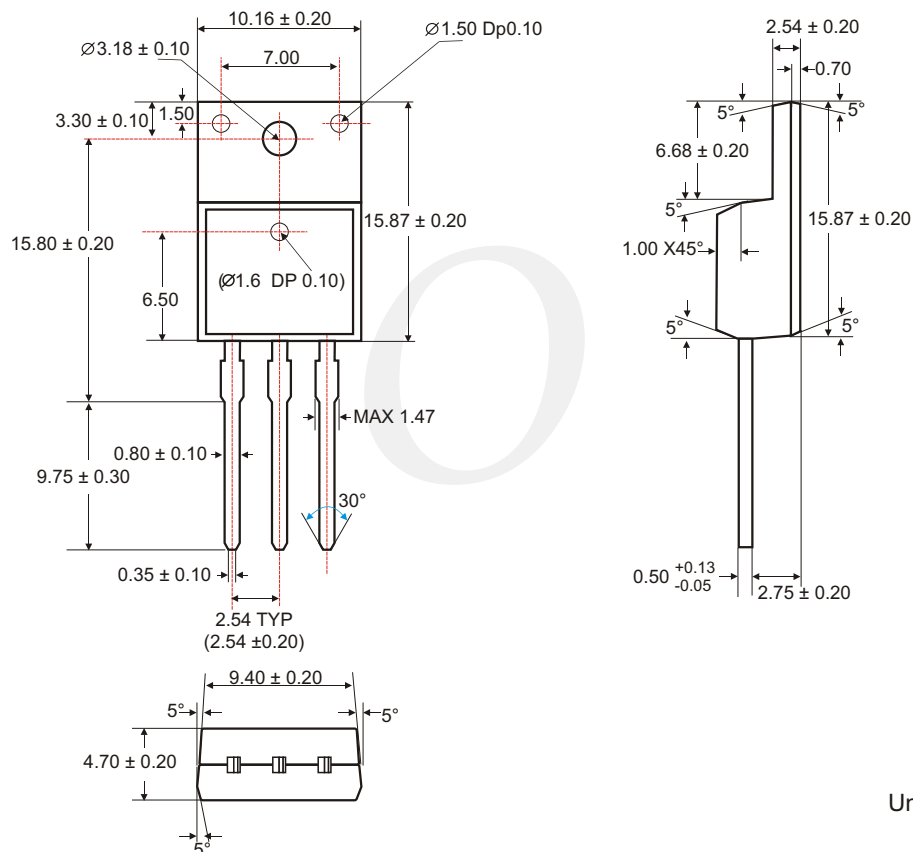
Parameter	Symbol	Value	Unit
Maximum instantaneous forward voltage per leg (Note 1)	$I_F = 15\text{A}, T_C = 25^\circ\text{C}$	0.78	V
	$I_F = 15\text{A}, T_C = 125^\circ\text{C}$	0.64	
	$I_F = 30\text{A}, T_C = 25^\circ\text{C}$	-	
	$I_F = 30\text{A}, T_C = 125^\circ\text{C}$	-	
Maximum reverse current per leg at working peak reverse voltage (Note 1)	$T_J = 25^\circ\text{C}$	10	μA
	$T_J = 125^\circ\text{C}$	10	mA

Note 1: Pulse Test: Pulse Width= 300 μs , Duty Cycle $\leq 2.0\%$

◆ TO-220AB PACKAGE OUTLINE DIMENSIONS

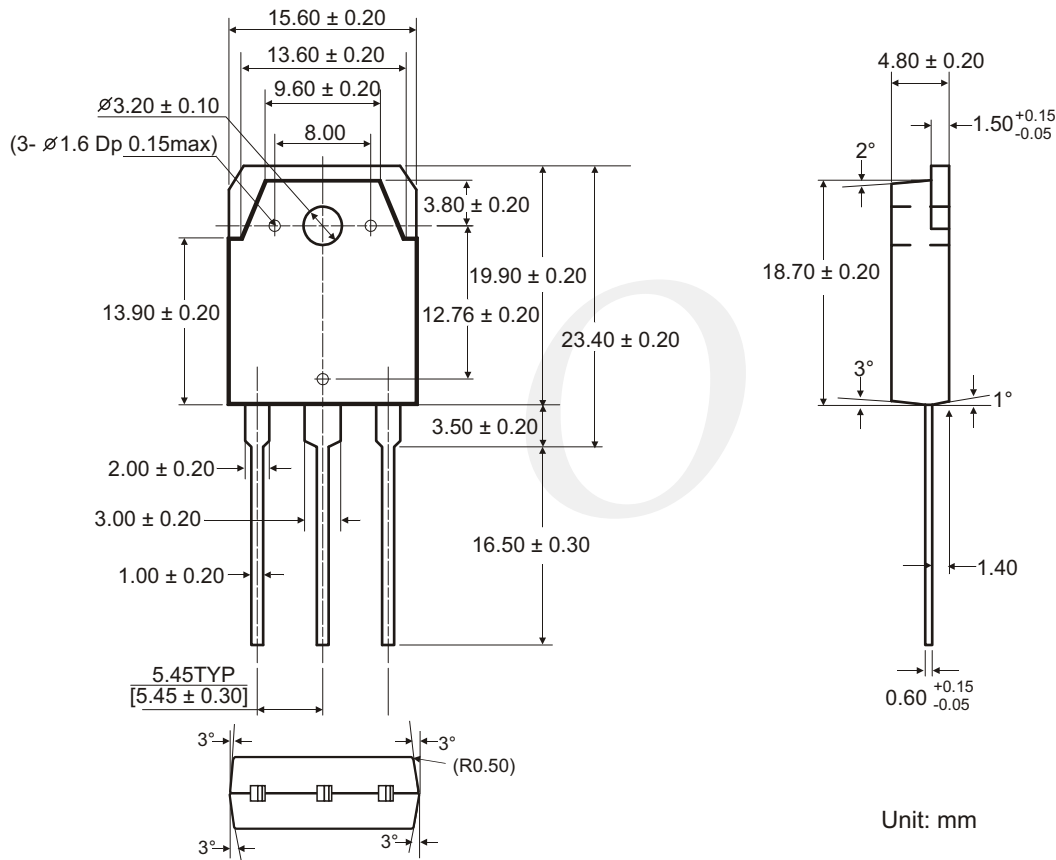


◆ TO-220FPAB PACKAGE OUTLINE DIMENSIONS

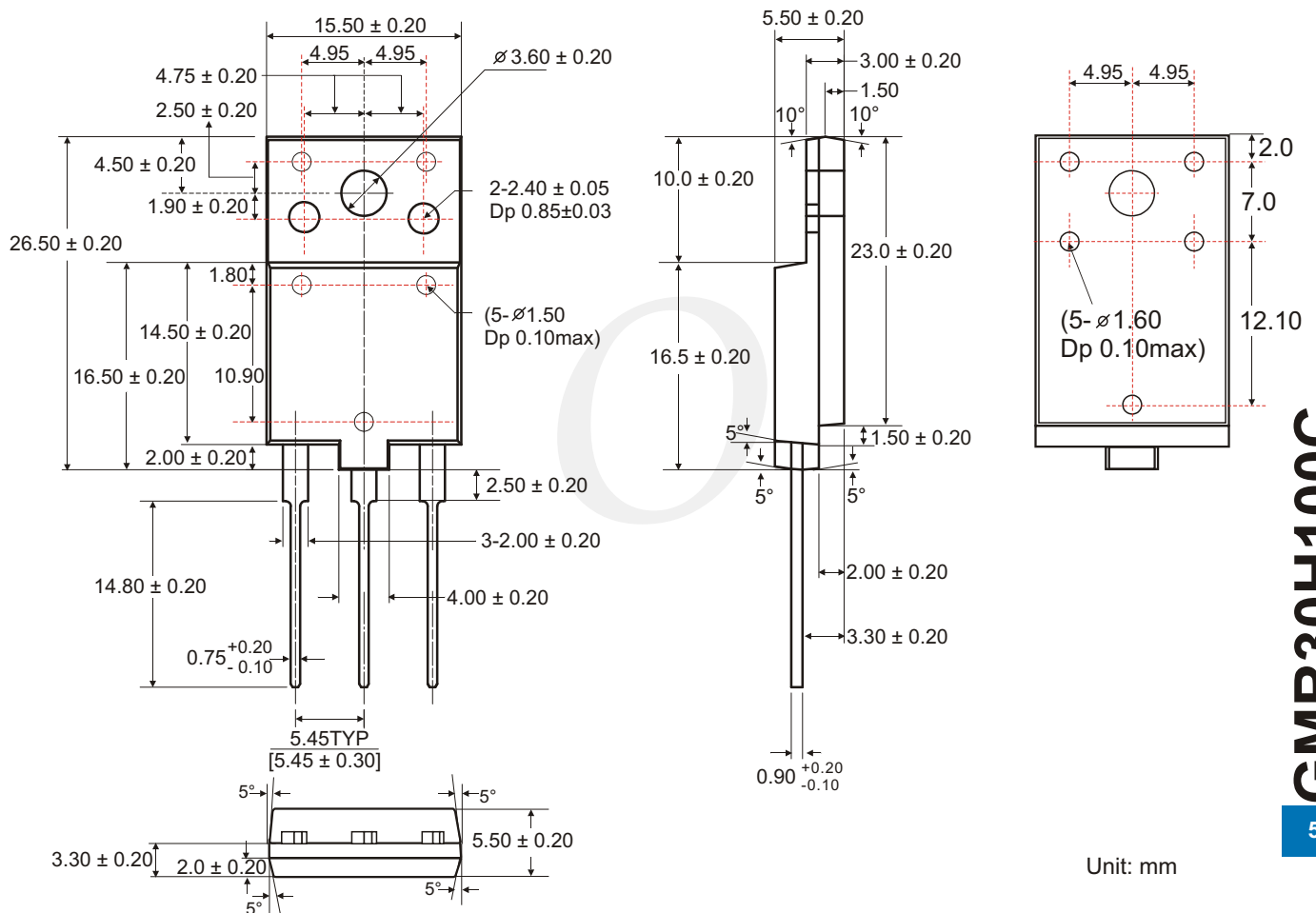


HIGH VOLTAGE POWER SCHOTTKY RECTIFIER

◆ TO-3P PACKAGE OUTLINE DIMENSIONS



◆ TO-3PF PACKAGE OUTLINE DIMENSIONS



GM R 30 H 100 C TA3 T

- GM**: Gamma Micro.
- R**: Rectifier
- 30**: Current Rating
30: 30A
- H**: Low V_f family
- 100**: Voltage Rating
100: 100V
- C**: Dual Cathode Common
- TA3**: Package
TA3: TO-263-2
TP3: TO-3P
TPF3: TO-3PF
TB3: TO-220AB
TBF3: TO-220FPAB
- T**: Shipping
T: Tube
R: Tape & Reel