

## DESCRIPTION

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

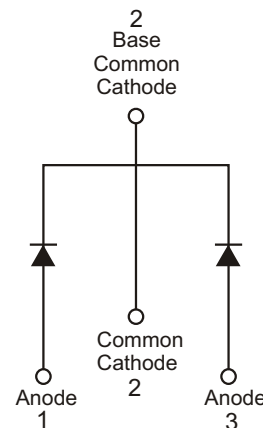
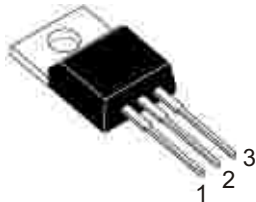
## Major Ratings and Characteristics

Characteristics	Values	Unit
$I_{F(AV)}$ Rectangular waveform	2 X 5	A
$V_{RRM}$	60	V
$V_F$ @5 Apk, $T_C=125^\circ\text{C}$ (per leg)	0.65	V
$T_J$ range	-45 ~ +150	$^\circ\text{C}$

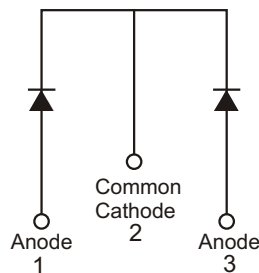
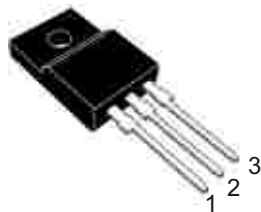
## FEATURES

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

TO-220AB



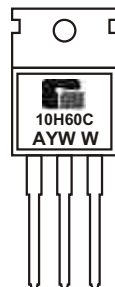
TO-220FPAB



## HIGH VOLTAGE POWER SCHOTTKY RECTIFIER

## ◆ MARKING INFORMATION

TO - 220AB



A : Assembly Location  
 Y : Year  
 WW : Weekly

## ◆ ORDERING INFORMATION

Ordering Number	Package	Shipping
GMR10H60CTB3T	TO - 220AB	50 Units/ Tube
GMR10H60CTBF3T	TO - 220FPAB	50 Units/ Tube

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

◆ 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	5 10	A
$I_{FSM}$	Peak forward surge current 8.3ms single half sine-wave superimposed on rated load per leg. (Non-Repetitive)	150	A
$T_j, T_{stg}$	Operating junction temperature and storage temperature	-45 to + 150	$^\circ\text{C}$

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

Parameter	Symbol	TO-220AB	TO-220FPAB	Unit
Typical thermal resistance per leg	$R_{\theta JC}$	2.4	4.2	$^\circ\text{C/W}$

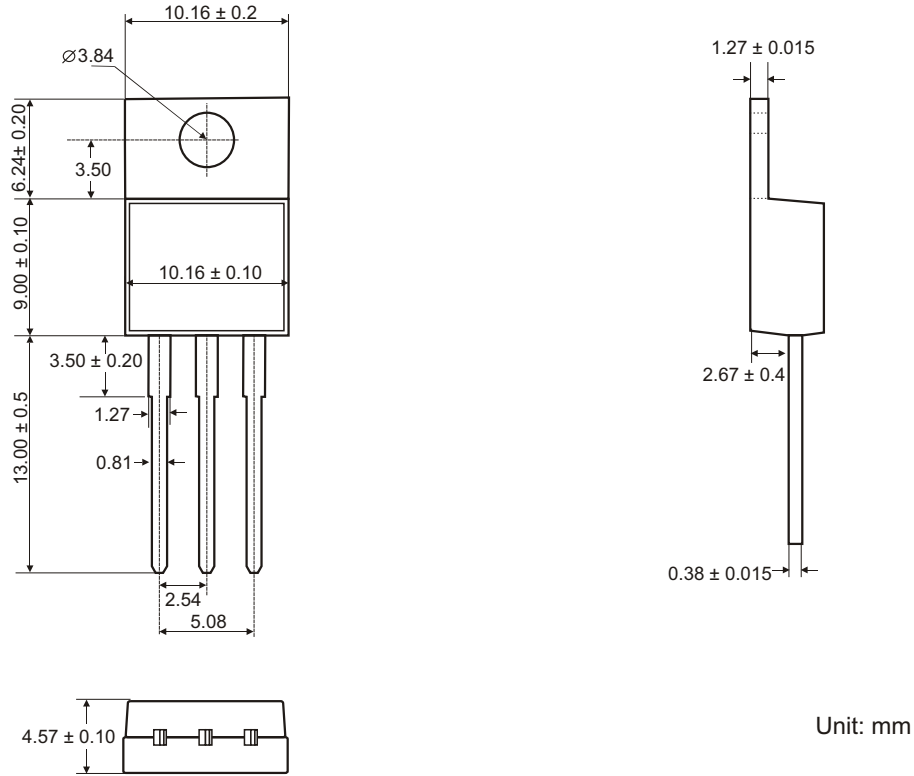
◆ Electrical Characteristics ( $T_C = 25^\circ\text{C}$  unless otherwise noted)

Parameter	Symbol	Value	Unit
Maximum instantaneous forward voltage per leg (Note 1)	$V_F$	0.75 0.65 - -	V
Maximum reverse current per leg at working peak reverse voltage (Note 1)	$I_R$	10 10	$\mu\text{A}$ mA

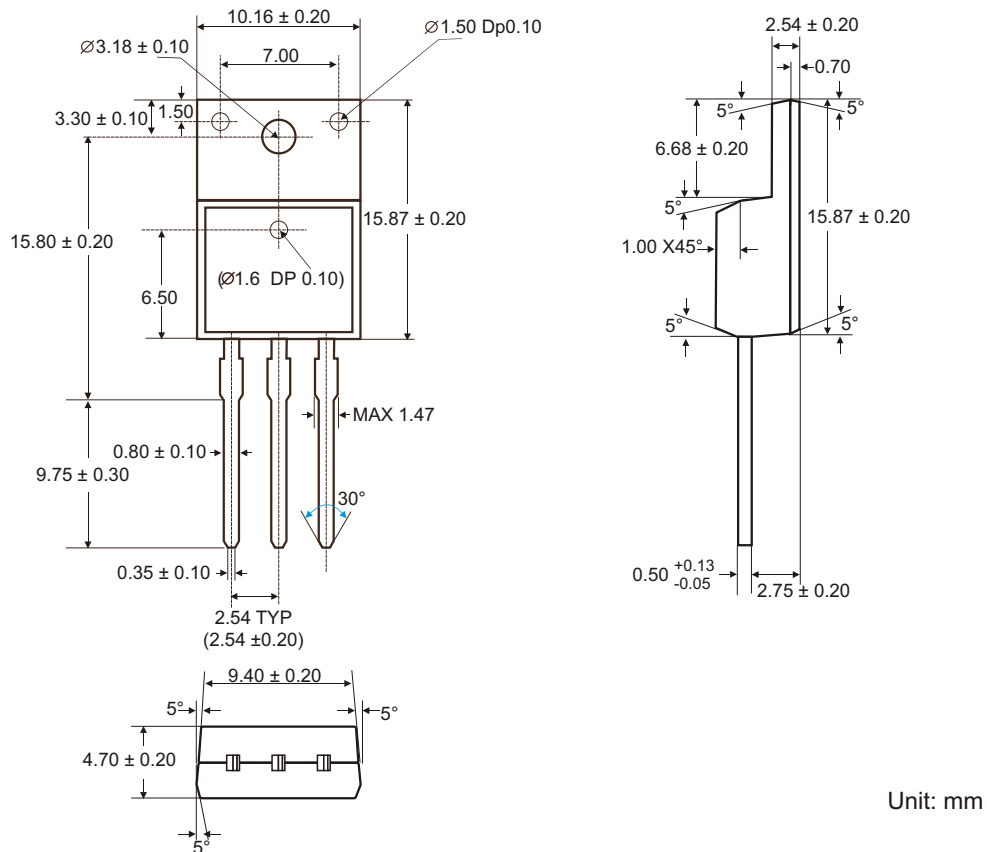
Note 1: Pulse Test: Pulse Width= 300 $\mu\text{s}$ , Duty Cycle  $\leq 2.0\%$

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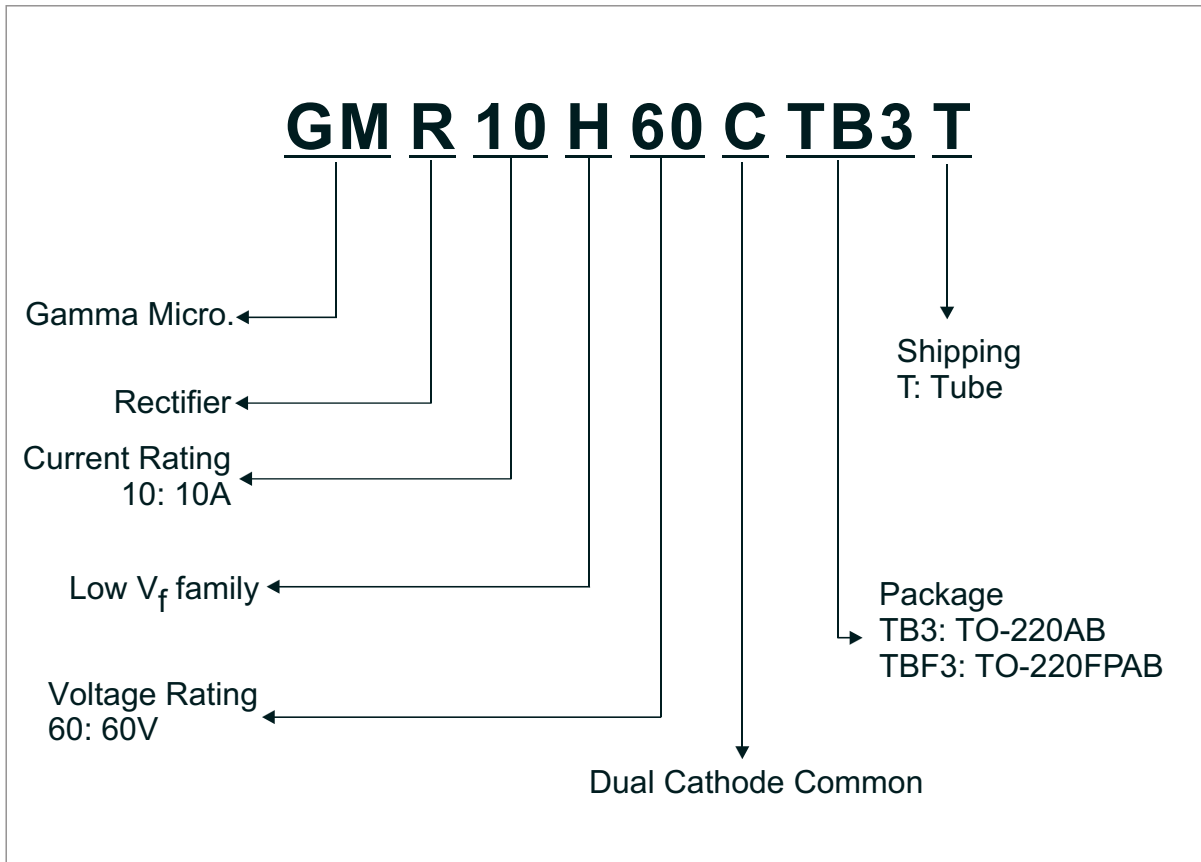
### ◆ TO-220AB PACKAGE OUTLINE DIMENSIONS



### ◆ TO-220FPAB PACKAGE OUTLINE DIMENSIONS



◆ ORDERING NUMBER







*Power Discrete*

# **GMR10H60C**

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HIGH VOLTAGE POWER SCHOTTKY RECTIFIER

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**GMR10H60C**