

HIGH VOLTAGE POWER SCHOTTKY RECTIFIER

DESCRIPTION

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

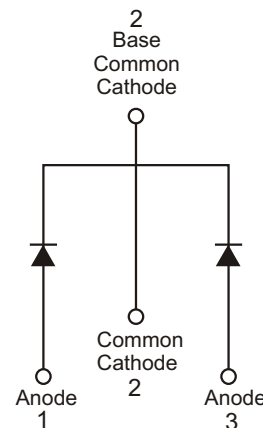
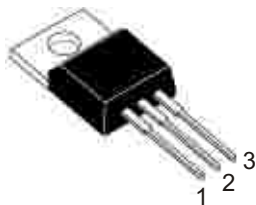
Major Ratings and Characteristics

Characteristics	Values	Unit
$I_{F(AV)}$ Rectangular waveform	2 X 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	$^\circ\text{C}$

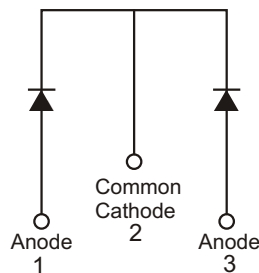
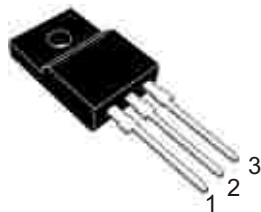
FEATURES

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

TO-220AB



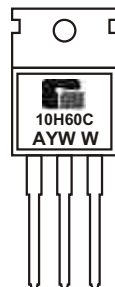
TO-220FPAB



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	$^\circ\text{C/W}$

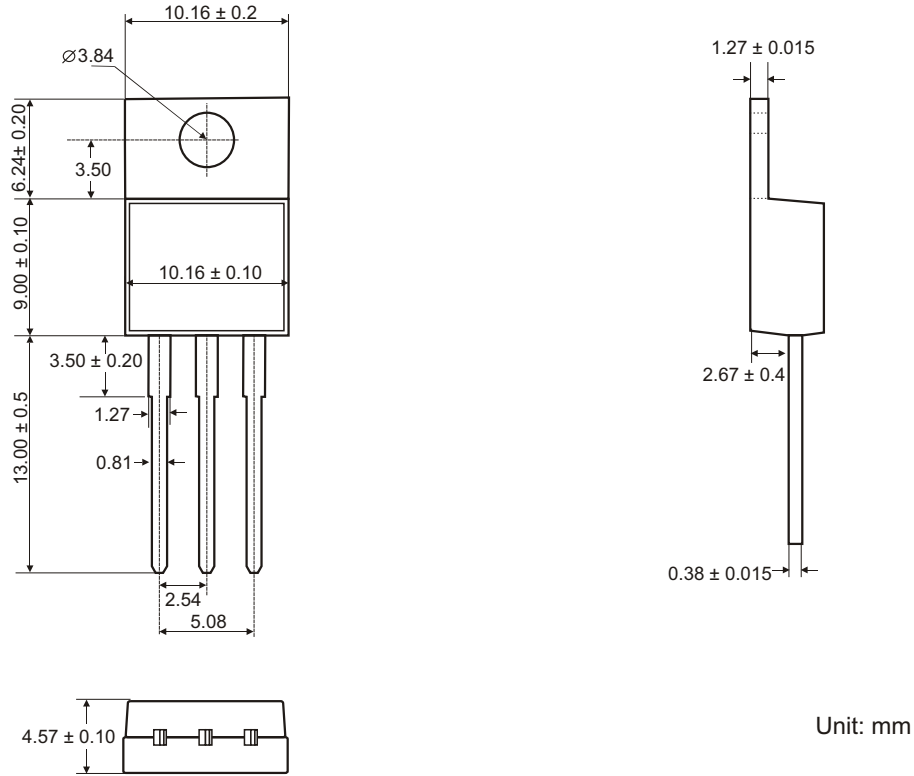
◆ Electrical Characteristics ($T_C = 25^\circ\text{C}$ unless otherwise noted)

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	μA mA

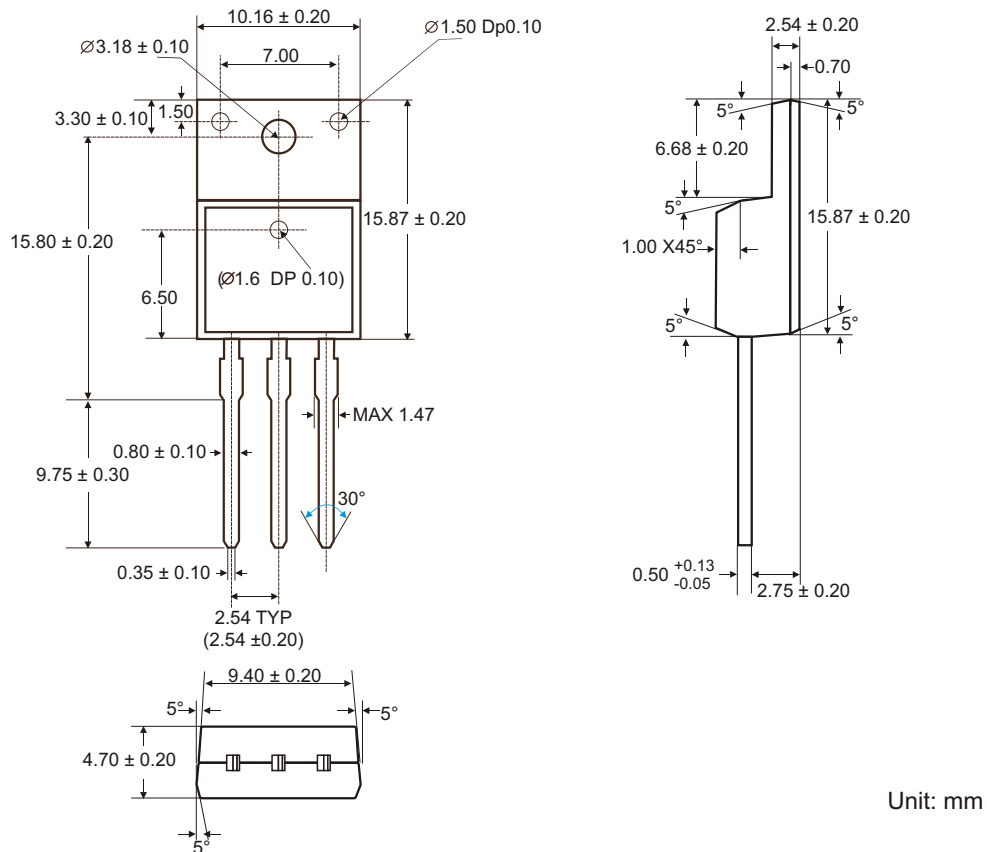
Note 1: Pulse Test: Pulse Width= 300 μs , Duty Cycle $\leq 2.0\%$

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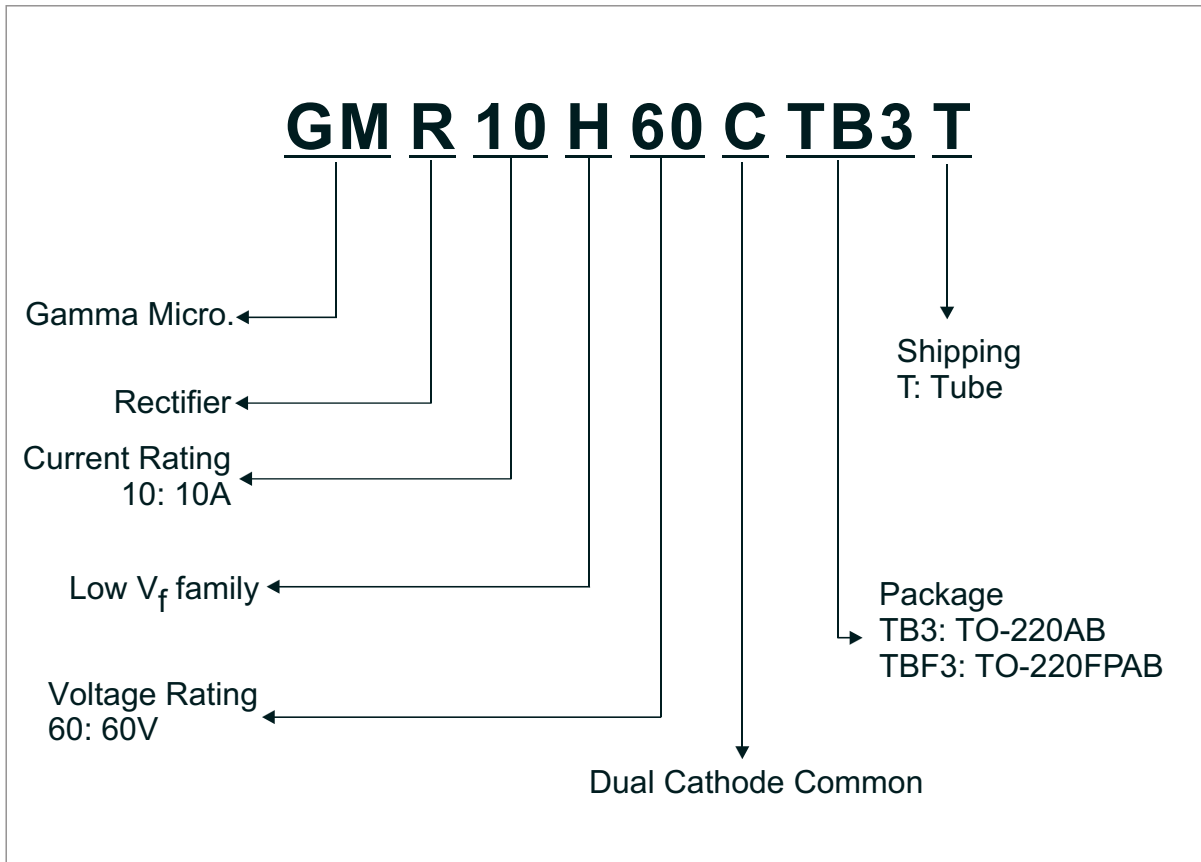
◆ TO-220AB PACKAGE OUTLINE DIMENSIONS



◆ TO-220FPAB PACKAGE OUTLINE DIMENSIONS



◆ ORDERING NUMBER







Power Discrete

GMR10H60C

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