GAMMA MICROELECTRONICS

GMR10H60C

HIGH VOLTAGE POWER SCHOTTKY RECTIFIER

DESCRIPTION

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

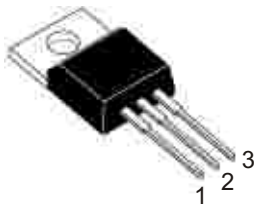
Major Ratings and Characteristics

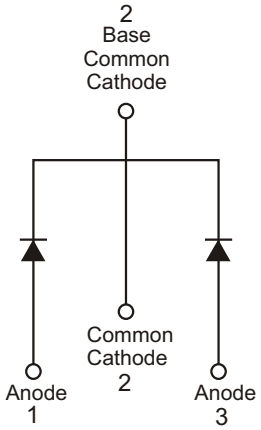
Characteristics	Values	Unit
$I_{F(AV)}$ Rectangular waveform	2 X 5	A
V_{RRM}	60	V
V_F @5 Apk, T_C= 125°C (per leg)	0.65	V
T_J range	-45 ~ +150	°C

FEATURES

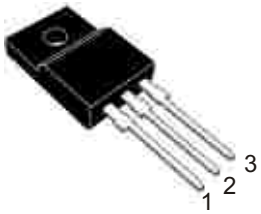
- **High junction temperature capability**
- **Good trade off between leakage current and forward voltage drop**
- **Low leakage current**

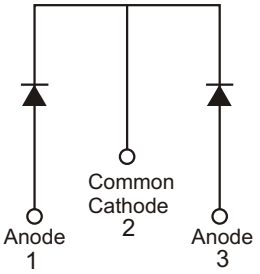
TO-220AB





TO-220FPAB





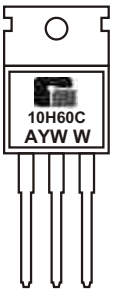
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◆ MARKING INFORMATION

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°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	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	°C

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

Parameter	Symbol	TO-220AB	TO-220FPAB	Unit
Typical thermal resistance per leg	RΘJC	2.4	4.2	°C/W

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

Parameter			Symbol	Value	Unit
Maximum instantaneous forward voltage per leg (Note 1)	I_F = 5A,	T_C = 25°C	V_F	0.75	V
	I_F = 5A,	T_C = 125°C		0.65	
	I_F = 10A,	T_C = 25°C		-	
	I_F = 10A,	T_C = 125°C		-	
Maximum reverse current per leg at working peak reverse voltage (Note 1)		T_J = 25°C	I_R	10	μA
		T_J = 125°C		10	mA

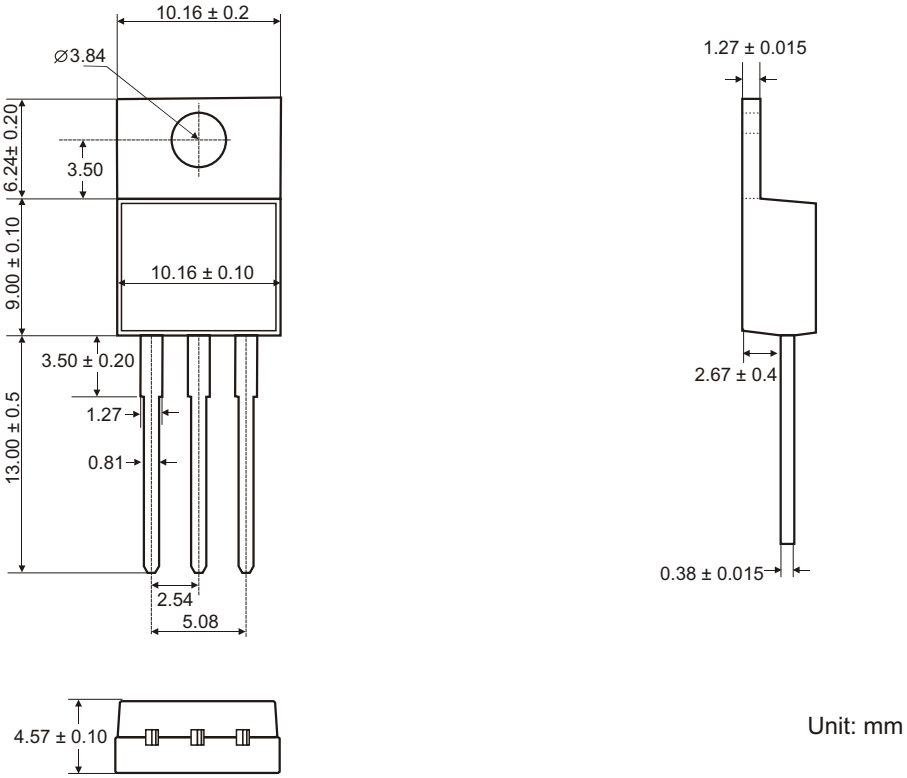
Note 1: Pulse Test: Pulse Width= 300μs, Duty Cycle ≤2.0%

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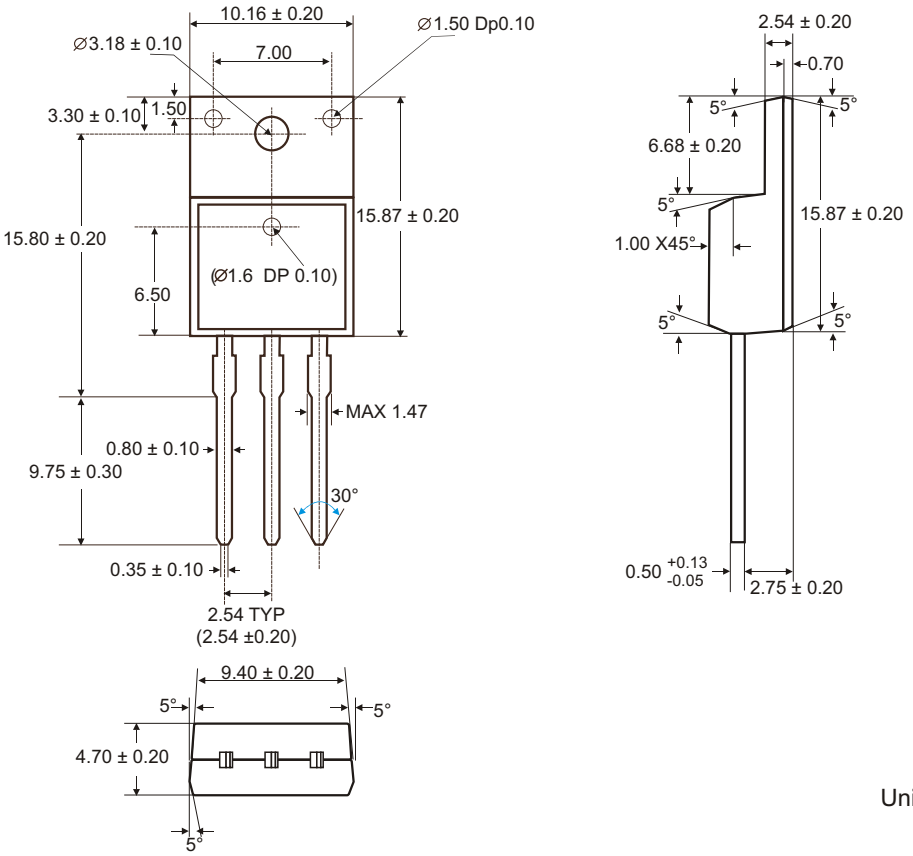
HIGH VOLTAGE POWER SCHOTTKY RECTIFIER

◆ TO-220AB PACKAGE OUTLINE DIMENSIONS



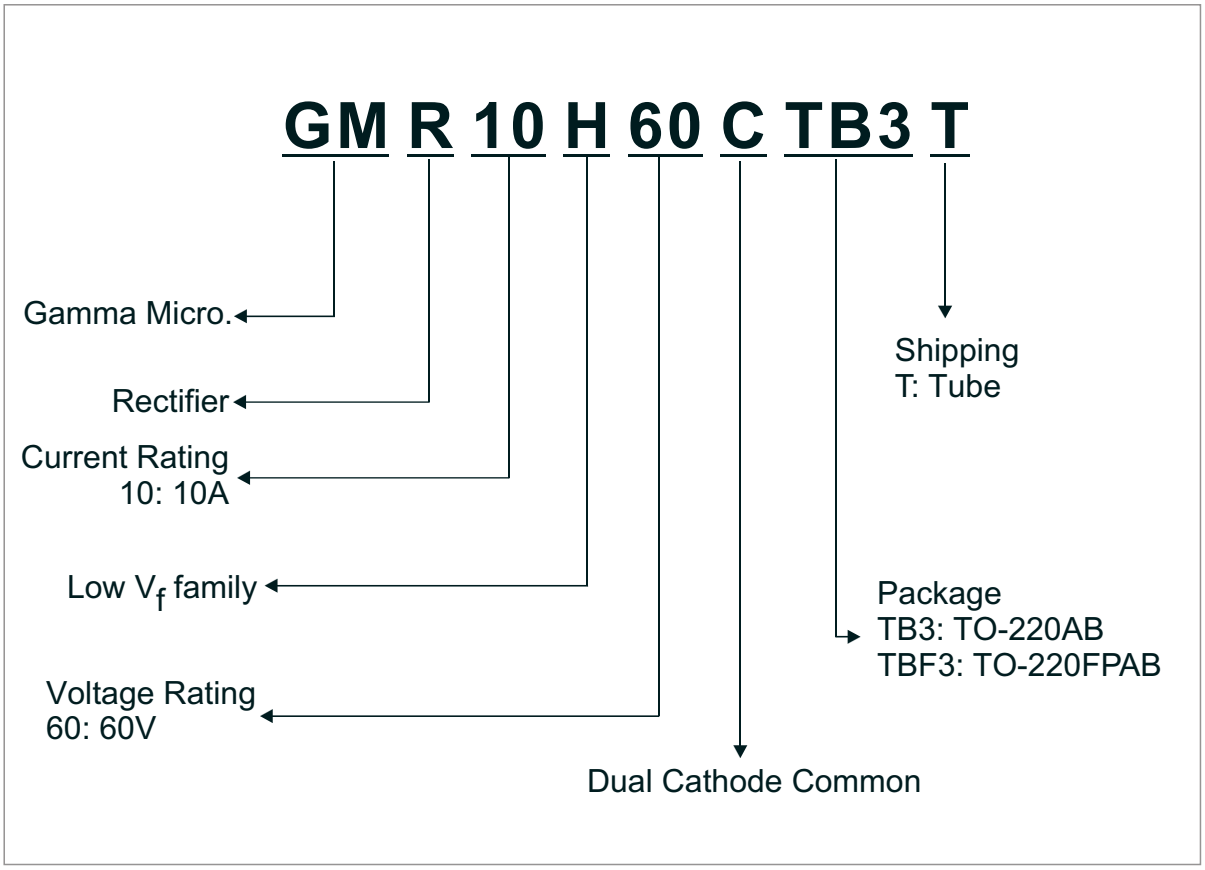
Unit: mm

◆ TO-220FPAB PACKAGE OUTLINE DIMENSIONS



Unit: mm

◆ ORDERING NUMBER



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