

DESCRIPTION

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

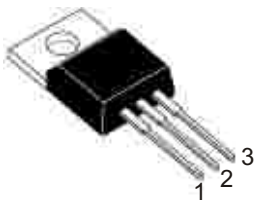
Major Ratings and Characteristics

Characteristics	Values	Unit
$I_{F(AV)}$ Rectangular waveform	2 X 5	A
V_{RRM}	125	V
V_F @5 Apk, $T_C = 125^\circ\text{C}$ (per leg)	0.67	V
T_J range	-45 ~ +150	$^\circ\text{C}$

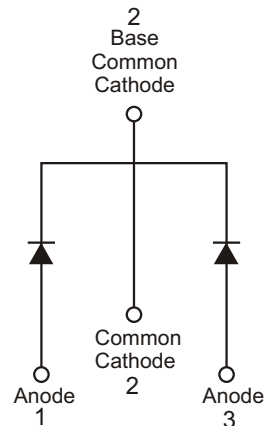
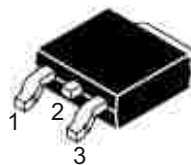
FEATURES

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

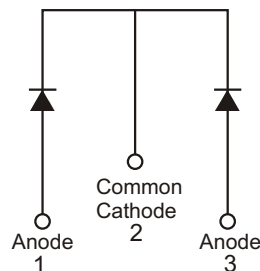
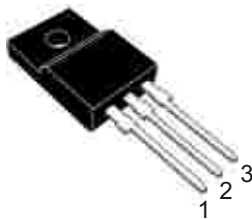
TO-220AB



TO-263-2(D²PAK)

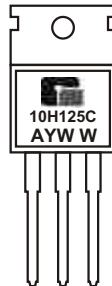


TO-220FPAB

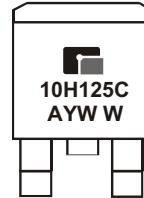


◆ MARKING INFORMATION

TO - 220AB



TO-263-2 (D²PAK)



A : Assembly Location
Y : Year
WW : Weekly

◆ ORDERING INFORMATION

Ordering Number	Package	Shipping
GMR10H125CTA3T	TO - 263-2	50 Unit/ Tube
GMR10H125CTA3R	TO - 263-2	800 Unit/ Tape & Reel
GMR10H125CTB3T	TO - 220AB	50 Unit/ Tube
GMR10H125CTBF3T	TO - 220FPAB	50 Unit/ 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		125	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	$^\circ\text{C}$

HIGH VOLTAGE POWER SCHOTTKY RECTIFIER

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

Parameter	Symbol	TO-220AB	TO-220FPAB	TO-263-2	Unit
Typical thermal resistance per leg	$R_{\theta JC}$	2.4	4.2	2.4	$^\circ\text{C/W}$

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

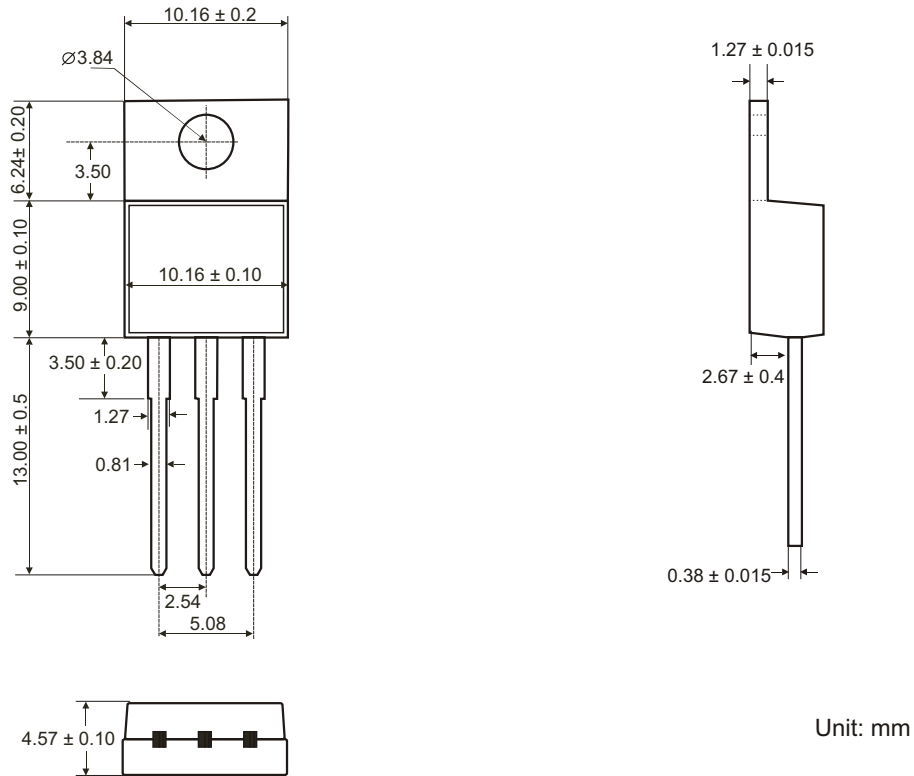
Parameter		Symbol	Value	Unit
Maximum instantaneous forward voltage per leg (Note 1)	$I_F = 5.0\text{A}, T_C = 25^\circ\text{C}$	V_F	0.80	V
	$I_F = 5.0\text{A}, T_C = 125^\circ\text{C}$		0.67	
	$I_F = 10\text{A}, T_C = 25^\circ\text{C}$		-	
	$I_F = 10\text{A}, T_C = 125^\circ\text{C}$		-	
Maximum reverse current per leg at working peak reverse voltage (Note 1)	$T_J = 25^\circ\text{C}$	I_R	8	μA
	$T_J = 125^\circ\text{C}$		8	mA

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

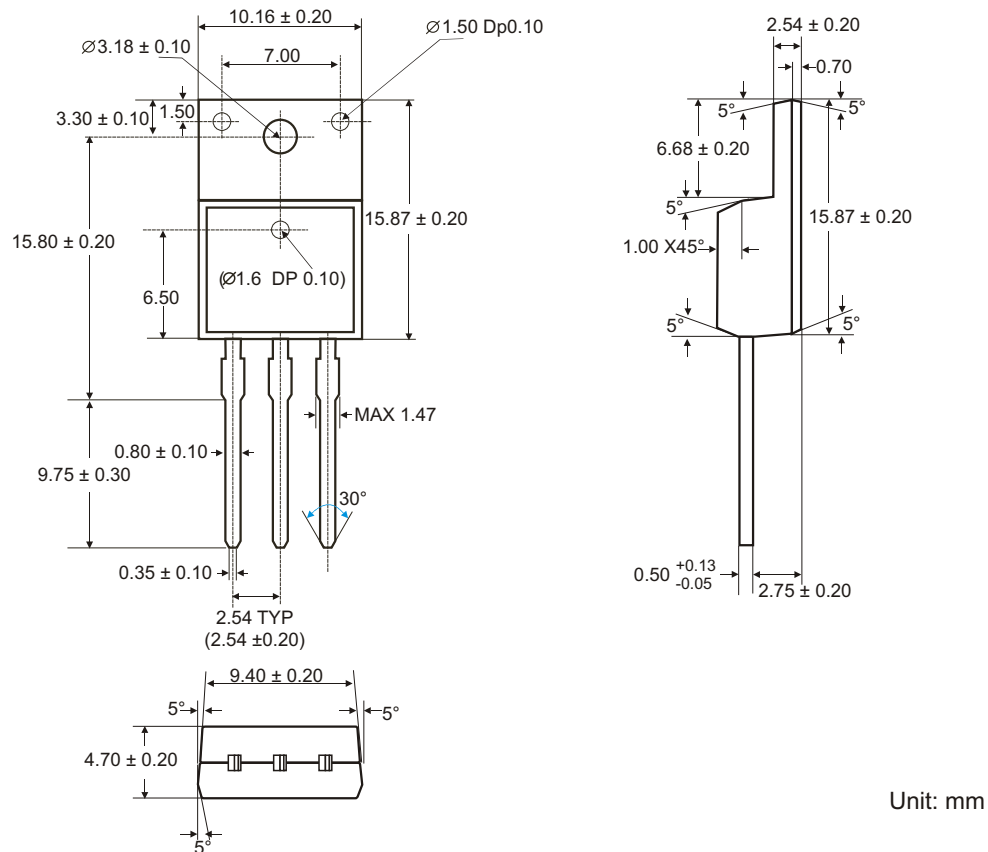


HIGH VOLTAGE POWER SCHOTTKY RECTIFIER

◆ TO-220AB PACKAGE OUTLINE DIMENSIONS

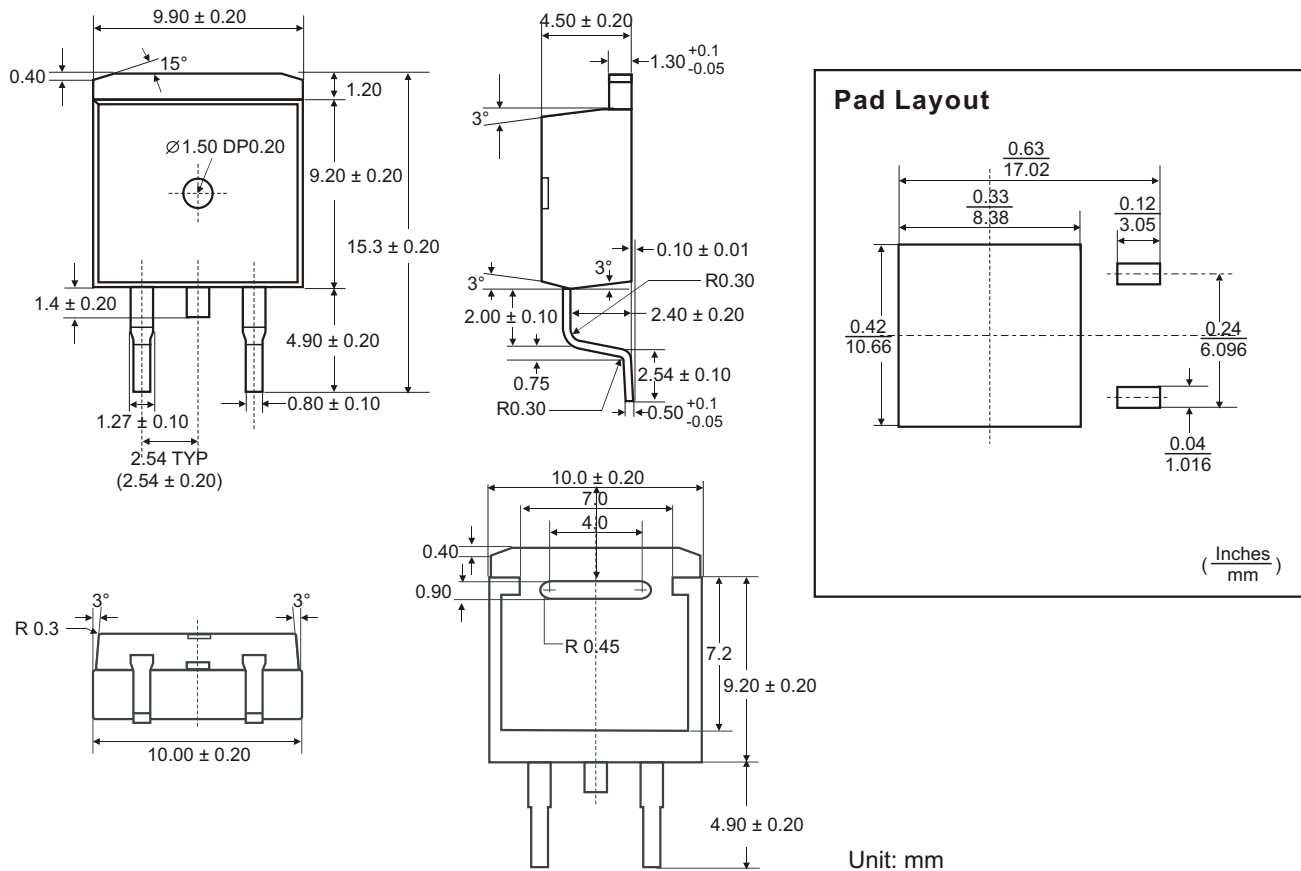


◆ TO-220FPAB PACKAGE OUTLINE DIMENSIONS

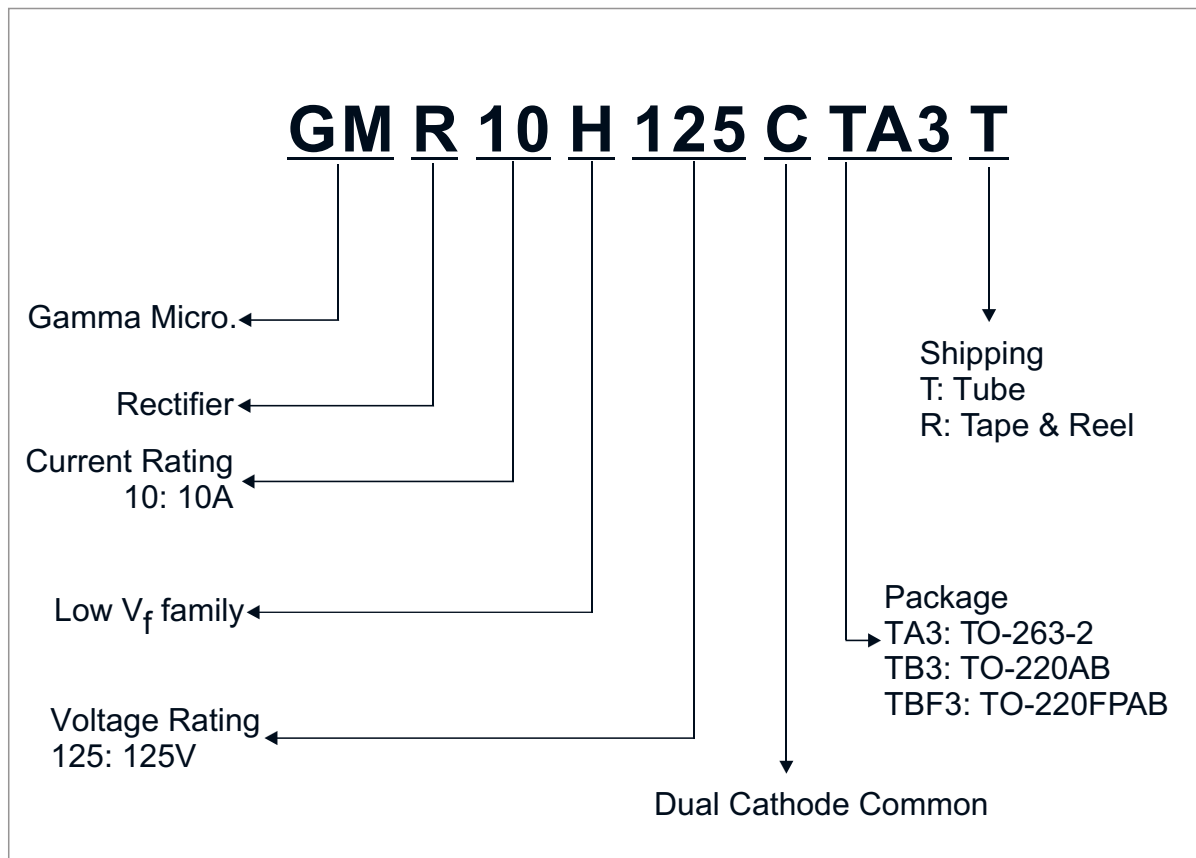


HIGH VOLTAGE POWER SCHOTTKY RECTIFIER

◆ TO-263-2 PACKAGE OUTLINE DIMENSIONS



◆ ORDERING NUMBER



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