Superfast Recovery Rectifier multicomp



RoHS



Features:

- **Compliant**
- Schottky barrier chip
- Guard ring for over voltage protection
- Low forward voltage drop
- Low reverse leakage current
- High surge current capability
- Plastic package has UL flammability classification 94V-0

Mechanical Data:

Case : TO-220AC molded plastic

Terminals : Pure tin plated, lead solderable per MIL-STD-750, method 2026

Polarity : As marked on the body

Weight : 2.1 grams Mounting Position : Any Reverse Voltage : 150 Volts Forward Current : 10 Amperes

Typical Applications

For use in high frequency rectifier of switching mode power supplies, Freewheeling Diode, DC/DC converters or polarity protection application

Maximum Ratings and Electrical Characteristics:

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz.

For capacitive load, derate current by 20%.

Characteristics	Symbol	Values	Unit
Max. Recurrent Peak Reverse Voltage	VRRM	150	
Max. RMS Voltage	VRMS	105	V
Max. DC Blocking Voltage	VDC	150	
Max. Average Forward	I(AV)	10	
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	Ігѕм	150	A
Max. Forward Voltage at 10A per leg	VF	0.92	V
Max. DC Reverse Current at $T_J = 25^{\circ}$ C Rated DC Blocking Voltage at $T_J = 125^{\circ}$ C	lR	0.05 20	mA
Typical Thermal Resistance	Rejc	2.2	°C/W
Operating Temperature Range	TJ	-65 to +150	°C
Storage Temperature Range	Тѕтс		

Note:

1. 1. The typical data above is for reference only.

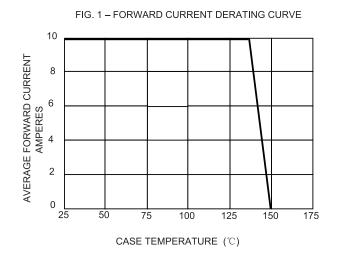
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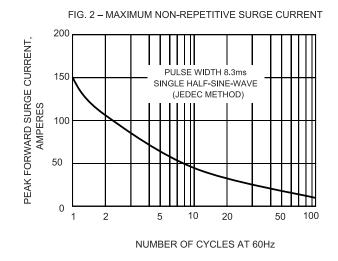


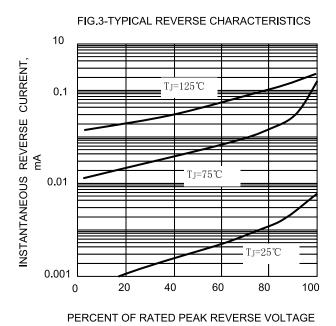
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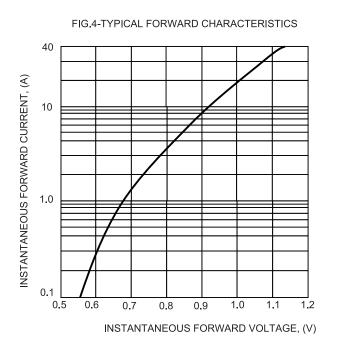


Ratings and Characteristic Curves







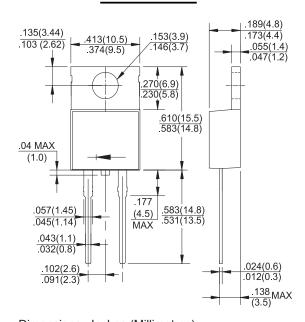


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Dimensions:

TO-220AC



Dimensions: Inches (Millimetres)

Part Number Table

Description	Part Number	
Superfast Recovery Rectifier	MBR10150+	

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