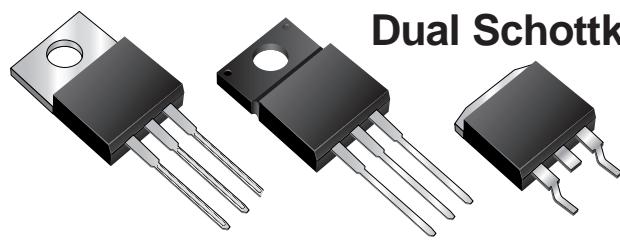




# MBR15HxxCT, MBRF15HxxCT & MBRB15HxxCT Series

New Product

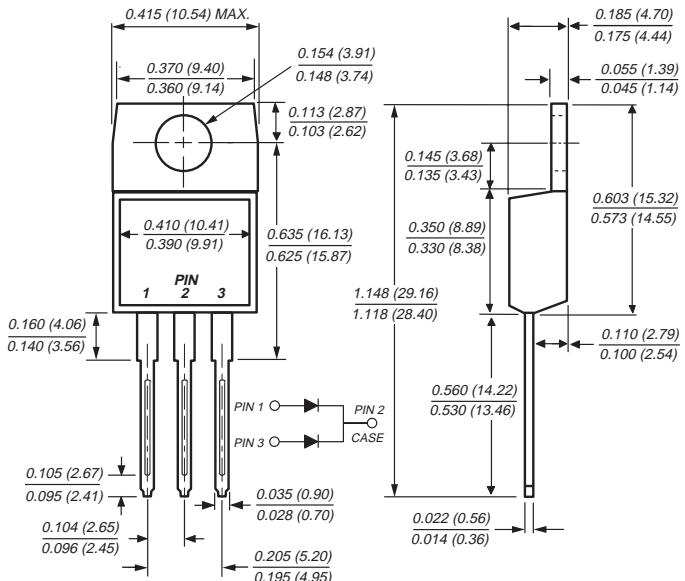
Vishay Semiconductors  
formerly General Semiconductor



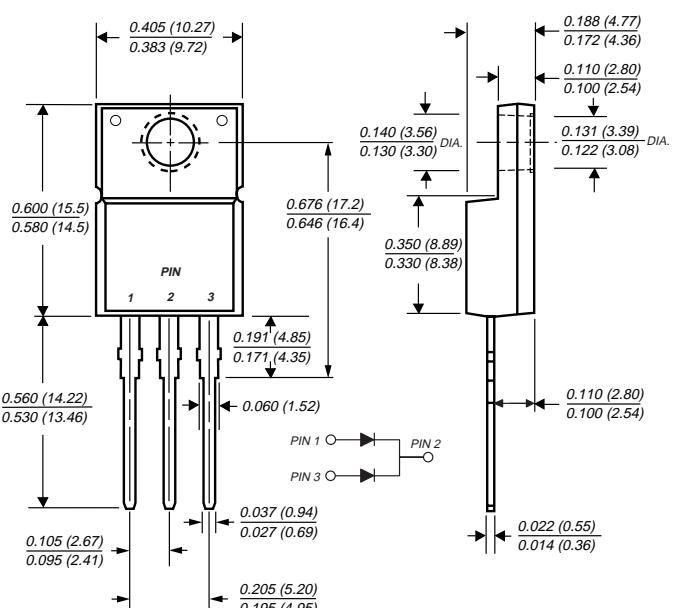
## Dual Schottky Barrier Rectifiers

Reverse Voltage 35 to 60 V  
Forward Current 15 A

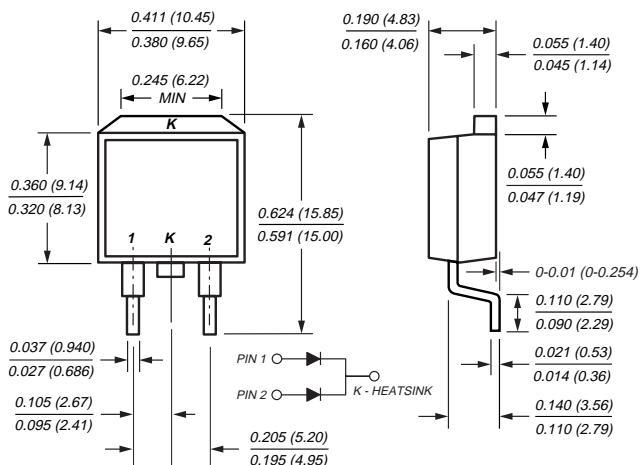
TO-220AB (MBR15HxxCT)



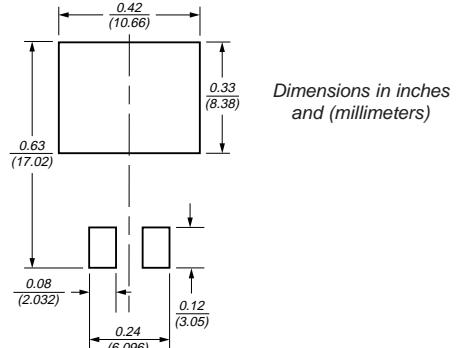
ITO-220AB (MBRF15HxxCT)



TO-263AB (MBRB15HxxCT)



Mounting Pad Layout TO-263AB



Dimensions in inches  
and (millimeters)

## Mechanical Data

**Case:** JEDEC TO-220AB, ITO-220AB & TO-263AB molded plastic body

**Terminals:** Plated leads, solderable per MIL-STD-750, Method 2026

**Polarity:** As marked

**Mounting Position:** Any

**Mounting Torque:** 10 in-lbs maximum

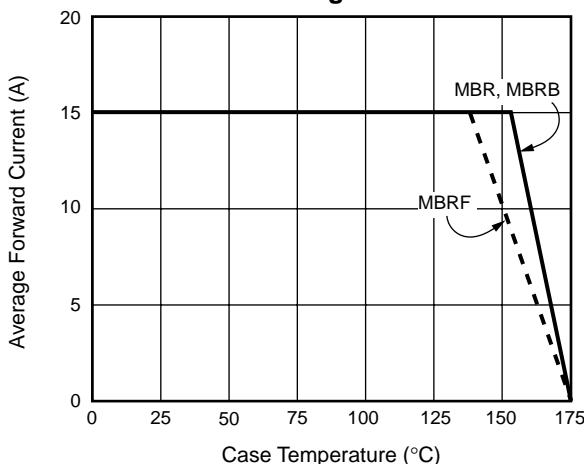
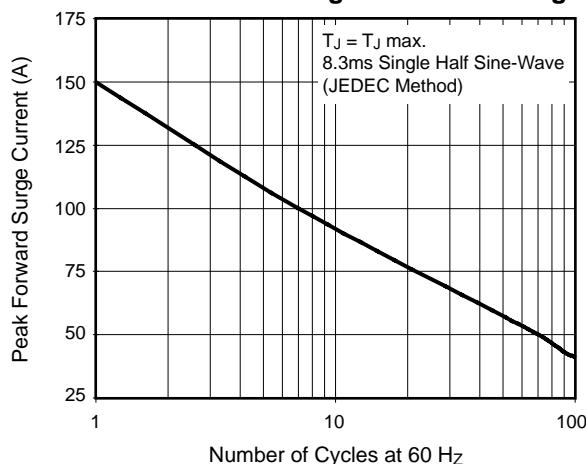
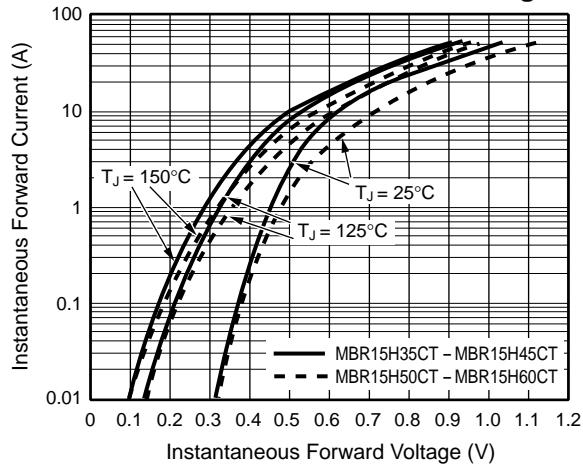
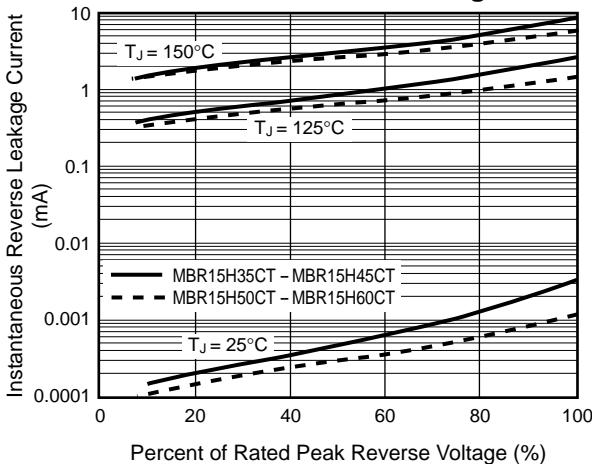
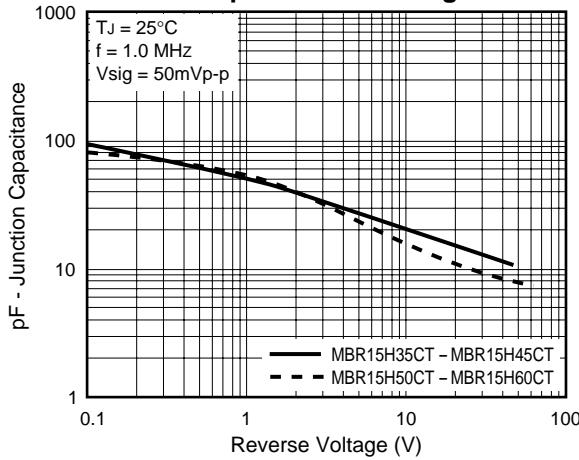
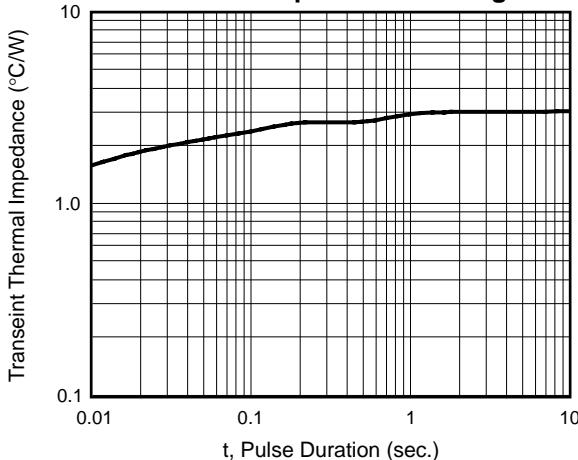
**Weight:** 0.08 oz., 2.24 g

## Features

- Plastic package has Underwriters Laboratory Flammability Classification 94 V-0
- Dual rectifier construction, positive center tap
- Metal silicon junction, majority carrier conduction
- Low forward voltage drop, low power loss and high efficiency
- Guardring for overvoltage protection
- For use in low voltage, high frequency inverters, free wheeling, and polarity protection applications
- High temperature soldering guaranteed:  
250 °C/10 seconds, 0.25" (6.35 mm) from case
- Rated for reverse surge and ESD
- 175 °C maximum operation junction temperature



**Ratings and Characteristic Curves** ( $T_A = 25^\circ\text{C}$  unless otherwise noted)

**Fig. 1 – Forward Current Derating Curve**

**Fig. 2 – Maximum Non-Repetitive Peak Forward Surge Current Per Leg**

**Fig. 3 – Typical Instantaneous Forward Characteristics Per Leg**

**Fig. 4 – Typical Reverse Characteristics Per Leg**

**Fig. 5 – Typical Junction Capacitance Per Leg**

**Fig. 6 – Typical Transient Thermal Impedance Per Leg**


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Datasheets for electronics components.