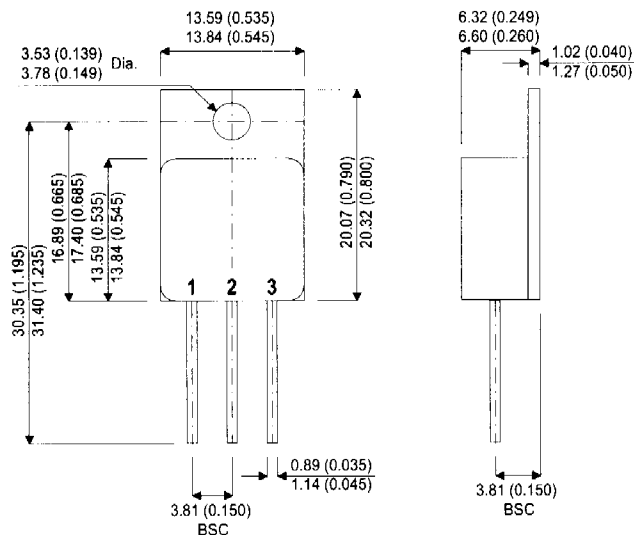


MECHANICAL DATA

Dimensions in mm



TO-254METAL PACKAGE

Pin 1— Anode 1 Pin 2 — Cathode Pin 3 — Anode 2

DUAL SCHOTTKY BARRIER RECTIFIER IN A TO254 HERMETICALLY SEALED PACKAGE FOR HI-REL APPLICATIONS

FEATURES

- HERMETIC TO254 METAL PACKAGE
- ISOLATED CASE
- 16A, 45V
- COMMON CATHODE
- MILITARY OPTIONS AVAILABLE

ABSOLUTE MAXIMUM RATINGS ($T_{case} = 25^{\circ}C$ unless otherwise stated)		MBR1645
V_{RRM}	Peak Repetitive Reverse Voltage	45V
V_{RWM}	Working Peak Reverse Voltage	45V
$I_{F(AV)}$	Average rectified Forward Current ($T_C = 125^{\circ}C$)	16A
I_{FRM}	Peak Repetitive Forward Current ($T_C = 125^{\circ}C$)	32A
T_{FSM}	Nonrepetitive Peak Surge Current	150A
I_{RRM}	Peak Repetitive Reverse Surge Current	10A
$R_{\theta JC}$	Thermal Resistance, Junction to Case	$2^{\circ}C/W$

ELECTRICAL CHARACTERISTICS (Per Diode)

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
V_F Forward Voltage ⁽¹⁾	$I_F = 16A$ $T_C = 125^{\circ}C$			0.57	V
	$I_F = 16A$ $T_C = 25^{\circ}C$			0.63	
I_R Reverse Current	$V_R = V_{RRM}$ $T_C = 125^{\circ}C$			40	mA
	$V_R = V_{RRM}$ $T_C = 25^{\circ}C$			0.2	

(1) Pulse Test: Pulse Width = 300 μs . Duty Cycle $\leq 2.0\%$



NJ Semi-Conductors reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by NJ Semi-Conductors is believed to be both accurate and reliable at the time of going to press. However, NJ Semi-Conductors assumes no responsibility for any errors or omissions discovered in its use. NJ Semi-Conductors encourages customers to verify that datasheets are current before placing orders.

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