

SCHOTTKY BARRIER RECTIFIER

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	100	V
V _R	Maximum DC Reverse Voltage	100	V
I _{F(AV)}	Average Rectified Forward Current @ T _C = 105°C	30	A
I _{FSM}	Non-repetitive Peak Surge Current (per diode) 60Hz Single Half-Sine Wave	250	A
T _{J,} T _{STG}	Operating Junction and Storage Temperature	-65 to +150	°C

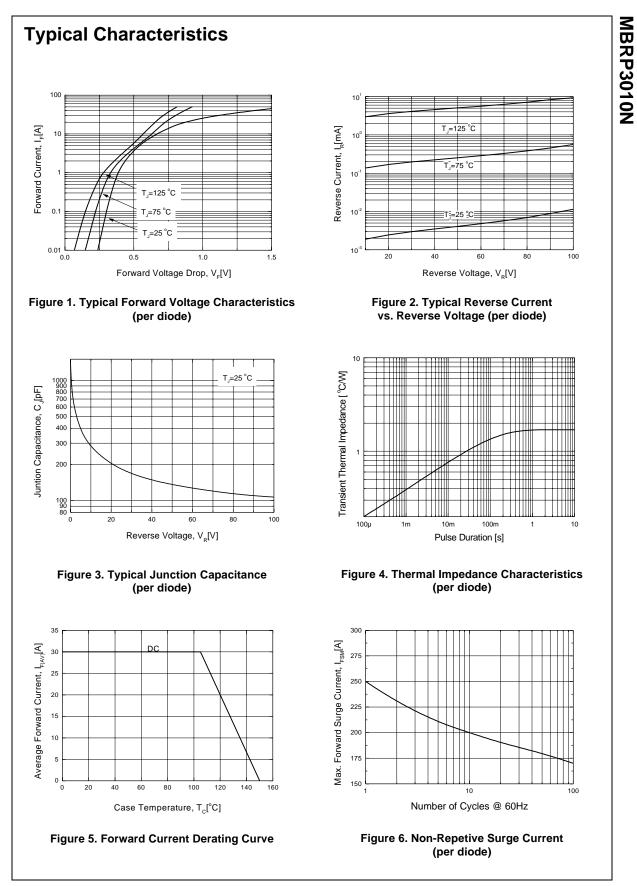
Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{ extsf{ heta}JC}$	Maximum Thermal Resistance, Junction to Case (per diode)	1.7	°C/W

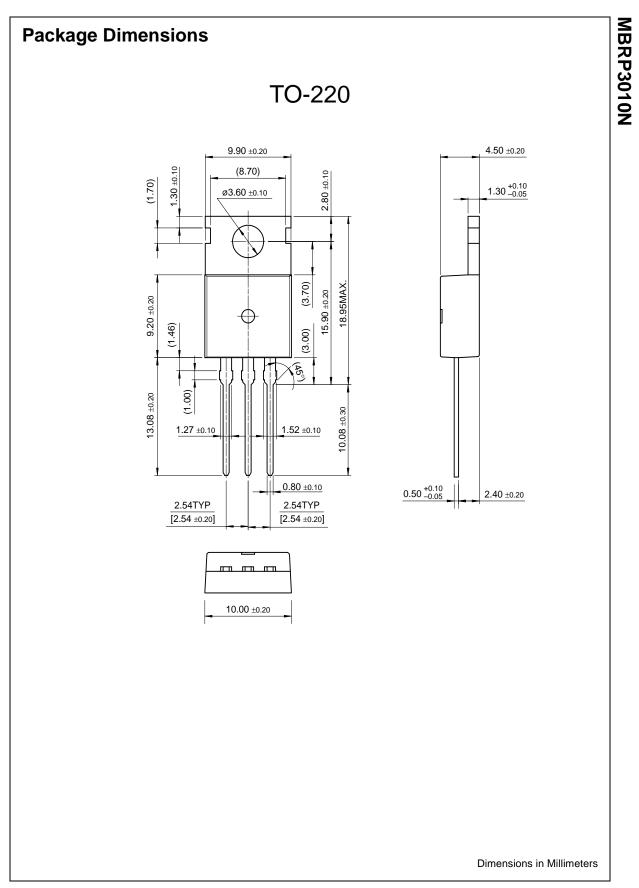
Electrical Characteristics (per diode)

Symbol	Parameter		Value	Units
V _{FM} *	Maximum Instantaneous Forward Voltage $I_F = 15A$ $I_F = 15A$ $I_F = 30A$ $I_F = 30A$	$T_{C} = 25 °C$ $T_{C} = 125 °C$ $T_{C} = 25 °C$ $T_{C} = 125 °C$	0.85 0.67 1.05(TYP.) 0.80	V
I _{RM} *	Maximum Instantaneous Reverse Current @ rated V _R	T _C = 25 °C T _C = 125 °C	1 20	mA

* Pulse Test: Pulse Width=300µs, Duty Cycle=2%



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The Power Franc	hise™	PACMAN™	Stealth™	
Programmable Ad	ctive Droop™	POP™	SuperFET™	

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