imall

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With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

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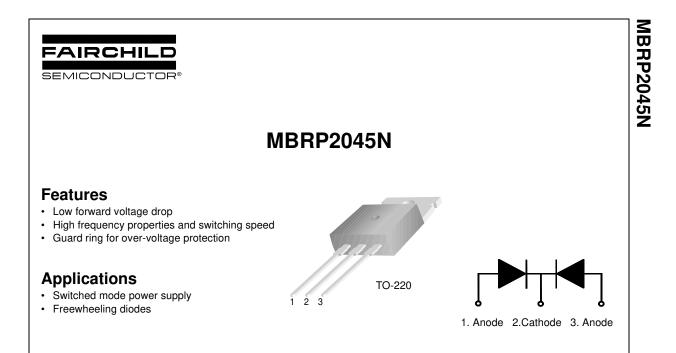
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SCHOTTKY BARRIER RECTIFIER

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	45	V
V _R	Maximum DC Reverse Voltage	45	V
I _{F(AV)}	Average Rectified Forward Current $@T_{C} = 105^{\circ}C$	20	A
I _{FSM}	Non-repetitive Peak Surge Current (per diode) 60Hz Single Half-Sine Wave	150	A
T _{J,} T _{STG}	Operating Junction and Storage Temperature	-65 to +150	°C

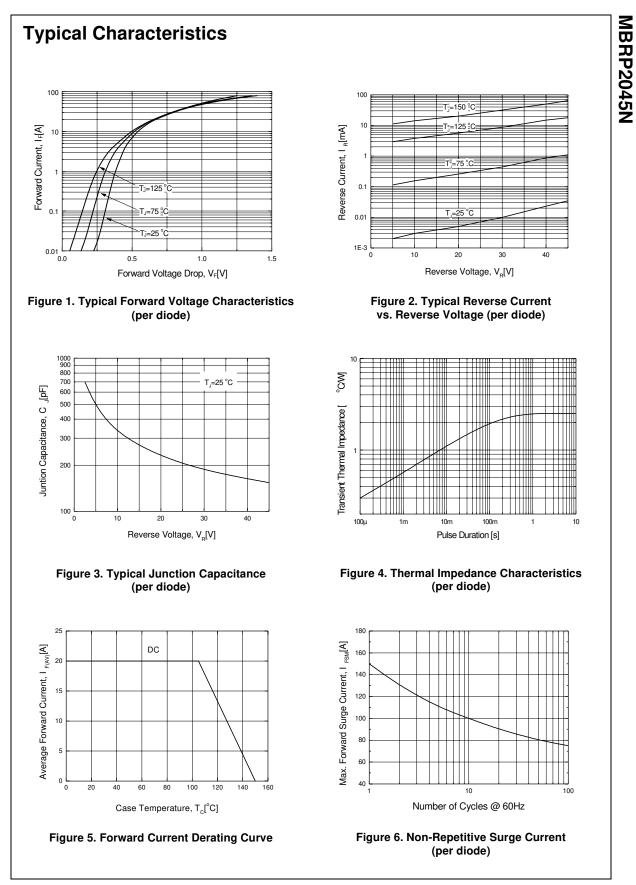
Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{ extsf{ heta}JC}$	Maximum Thermal Resistance, Junction to Case (per diode)	2.5	°C/W

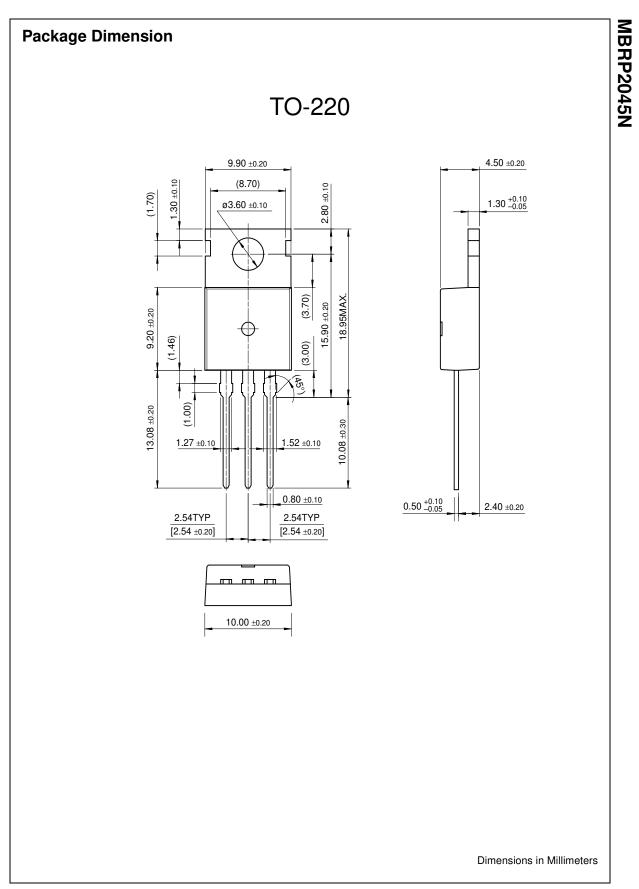
Electrical Characteristics (per diode)

Symbol	Parameter		Value	Units
V _{FM} *	Maximum Instantaneous Forward Voltage $I_F = 10A$ $I_F = 10A$ $I_F = 20A$	T _C = 25 °C T _C = 125 °C T _C = 25 °C	0.65 0.57 0.80	V
	$I_F = 20A$	T _C = 125 °C	0.65	
I _{RM} *	Maximum Instantaneous Reverse Current @ rated V _R	T _C = 25 °C	1	mA
		T _C = 25 °C T _C = 125 °C	60	

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



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