

SCHOTTKY BARRIER RECTIFIER

Absolute Maximum Ratings T_C=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	60	V
V _R	Maximum DC Reverse Voltage	60	V
I _{F(AV)}	Average Rectified Forward Current @ $T_C = 134^{\circ}C$	20	А
I _{FSM}	Non-repetitive Peak Surge Current (per diode) 60Hz Single Half-Sine Wave	200	A
T _{J,} T _{STG}	Operating Junction and Storage Temperature	-65 to +150	°C

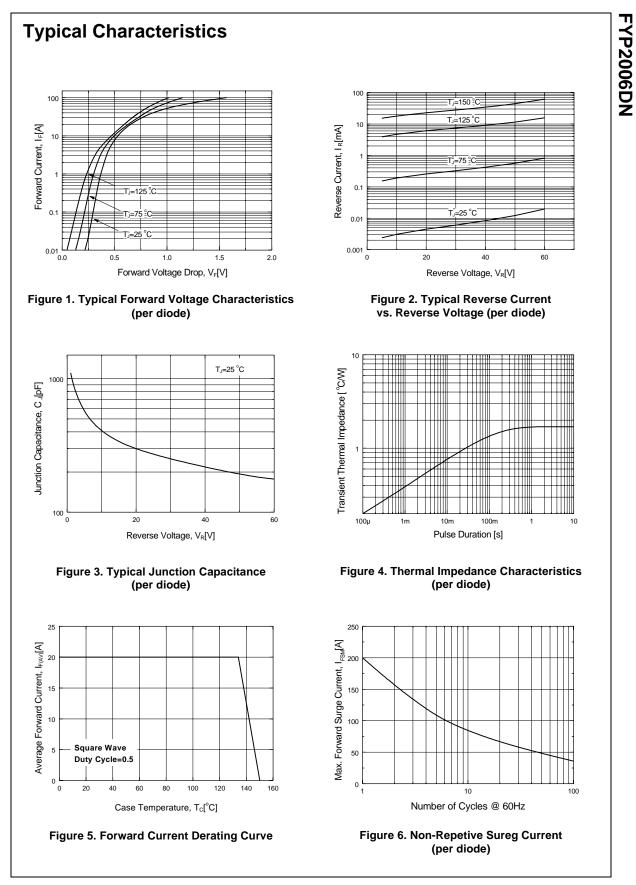
Thermal Characteristics

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

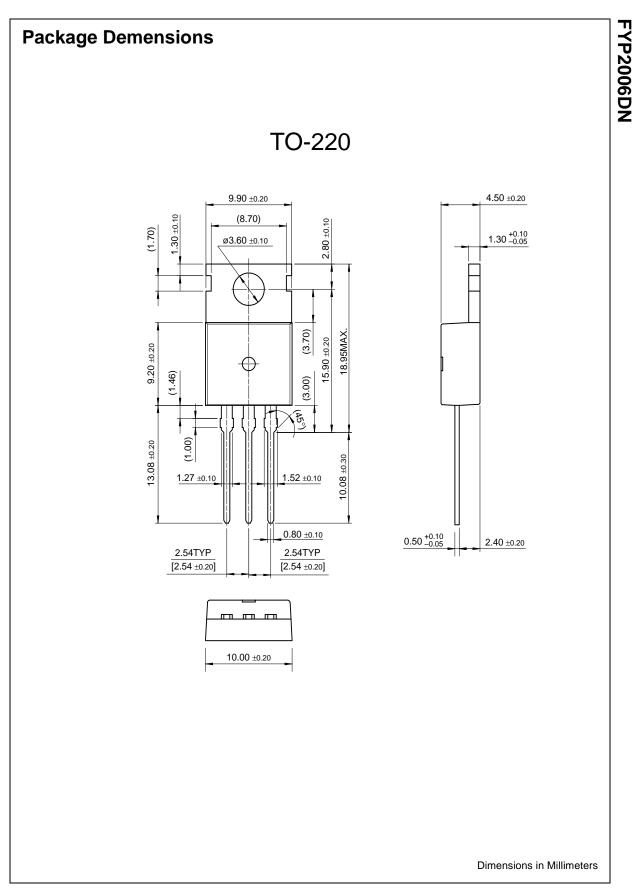
Electrical Characteristics (per diode)

Symbol	Parameter		Value	Units
V _{FM} *	Maximum Instantaneous Forward Voltage			V
	I _F = 10A	T _C = 25 °C	0.58	
	I _F = 10A	T _C = 125 °C	0.52	
	I _F = 20A	T _C = 25 °C T _C = 125 °C T _C = 25 °C	0.71	
	I _F = 20A	T _C = 125 °C	0.65	
I _{RM} *	Maximum Instantaneous Reverse Current			mA
	@ rated V _R	T _C = 25 °C	1	
		T _C = 25 °C T _C = 125 °C	50	

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



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