

20A SCHOTTKY BARRIER RECTIFIER

Absolute Maximum Ratings (per diode) 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)}	Maximum Average Rectified Current @ $T_{C} = 105^{\circ}C$	20	А
I _{FSM}	Maximum Forward Surge Current (per diode) 60Hz Single Half-Sine Wave	150	A
T _{J,} T _{STG}	Operating Junction and Storage Temperature	-65 to +150	°C

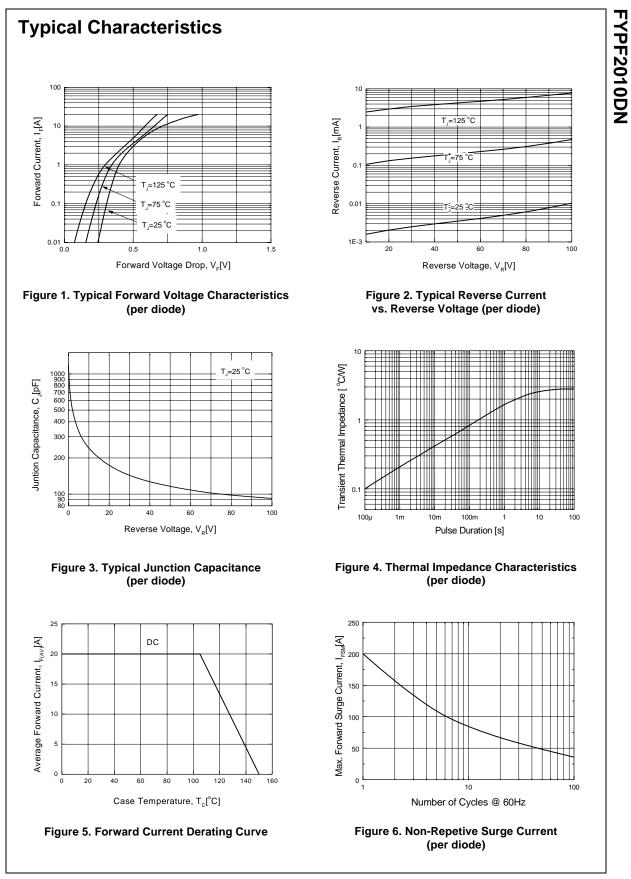
Thermal Characteristics

Symbol	Parameter	Value	Units
$R_{ extsf{ heta}JC}$	Maximum Thermal Resistance, Junction to Case (per diode)	2.8	°C/W

Electrical Characteristics (per diode) T_C=25 °C unless otherwise noted

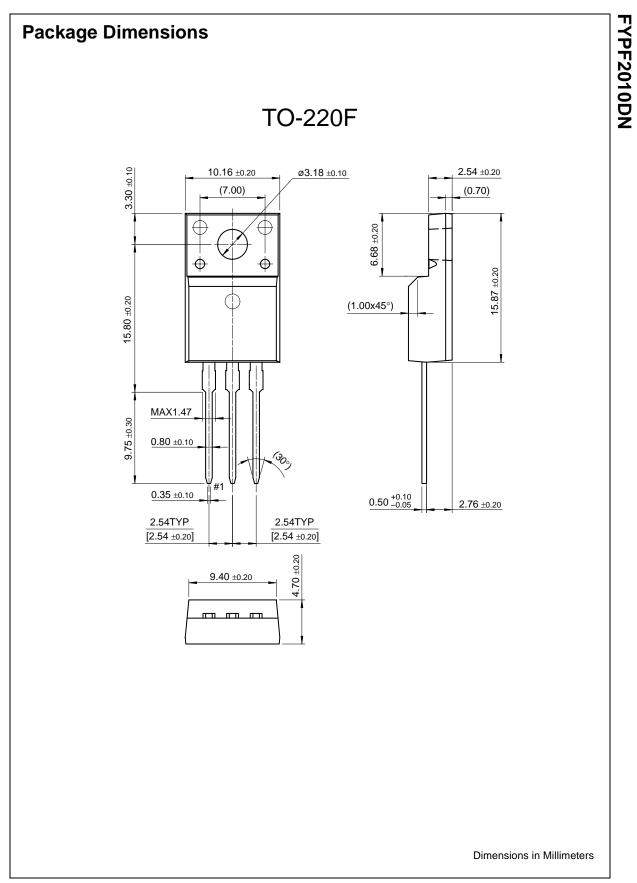
Symbol	Parameter		Min.	Тур.	Max.	Units
V _{FM} *	Maximum Instantaneous Forward Voltage					V
	I _F = 10A	T _C = 25 °C	-	-	0.77	
	I _F = 10A	T _C = 25 °C T _C = 125 °C	-	-	0.65	
	I _F = 20A	T _C = 25 °C	-	-	-	
	I _F = 20A	T _C = 125 °C	-	-	0.75	
I _{RM} *	Maximum Instantaneous Reverse Current					mA
	(per diode) @ rated V _R	T _C = 25 °C	-	-	0.1	
		T _C = 25 °C T _C = 125 °C	-	-	20	

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



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