

SCHOTTKY BARRIER RECTIFIER

Absolute Maximum Ratings Tc=25°C unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	40	V
V _R	Maximum DC Reverse Voltage	40	V
I _{F(AV)}	Average Rectified Forward Current @ T _C = 135°C	5	А
FSM	Non-repetitive Peak Surge Current 60Hz Single Half-Sine Wave	80	A
T _{J.} T _{STG}	Operating Junction and Storage Temperature	-65 to +150	°C

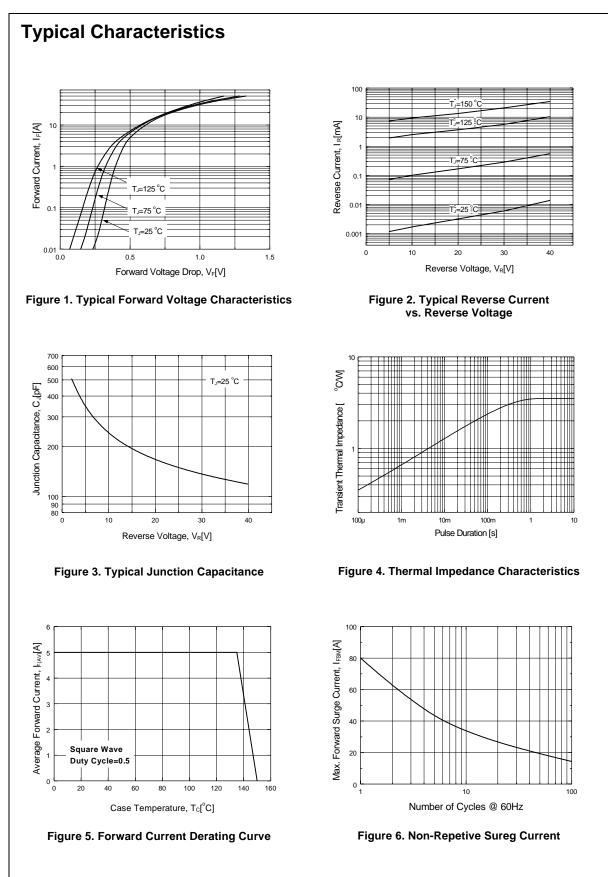
Thermal Characteristics

Symbol	Parameter	Value	Units
R _{θJC}	Maximum Thermal Resistance, Junction to Case	3.5	°C/W

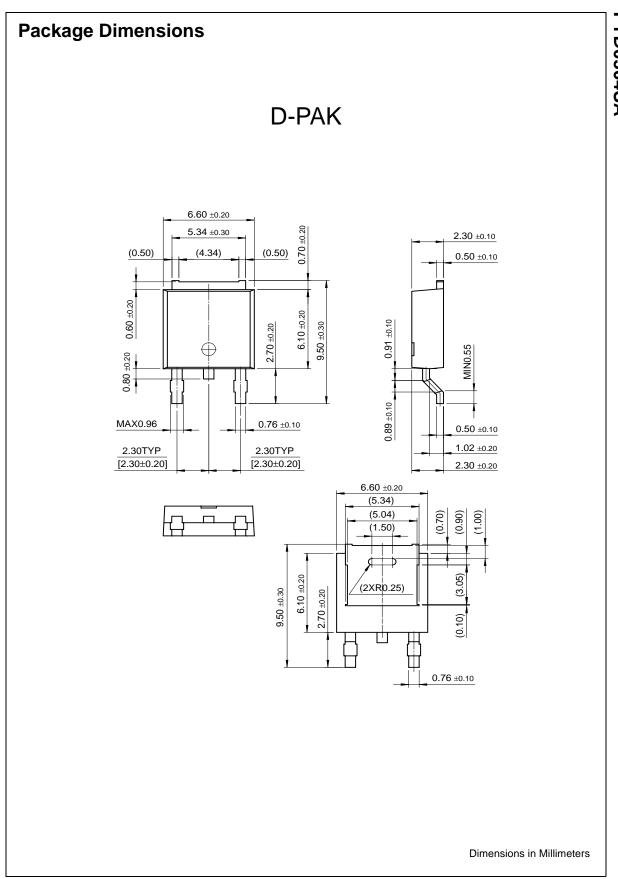
Electrical Characteristics T_C=25 °C unless otherwise noted

Symbol	Parameter	1 100	Value	Units
V _{FM} *	Maximum Instantaneous Forward Voltage	A LOVE	- W	V
	I _F = 5A	T _C = 25 °C	0.55	
	I _F = 5A	$T_{C} = 25 °C$ $T_{C} = 125 °C$ $T_{C} = 25 °C$	0.49	
	$I_F = 10A$	T _C = 25 °C	0.67	
	I _F = 10A	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	40	

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



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