

Schottky Rectifier

Absolute Maximum Ratings* $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter	Value	Units
V _{RRM}	Maximum Repetitive Reverse Voltage	20	V
I _{F(AV)}	Average Rectified Forward Current	500	mA
I _{FSM}	Non Repetitive Peak Forward Current (Surge applied at rated load conditions half wave, single phase, 60 Hz)	5.5	A
T _{stg}	Storage Temperature Range	-65 to +150	°C
T _{j max}	Operating Junction Temperature	-65 to +125	°C

*These ratings are limiting values above which the serviceability of any semiconductor device may be impaired.

Thermal Characteristics

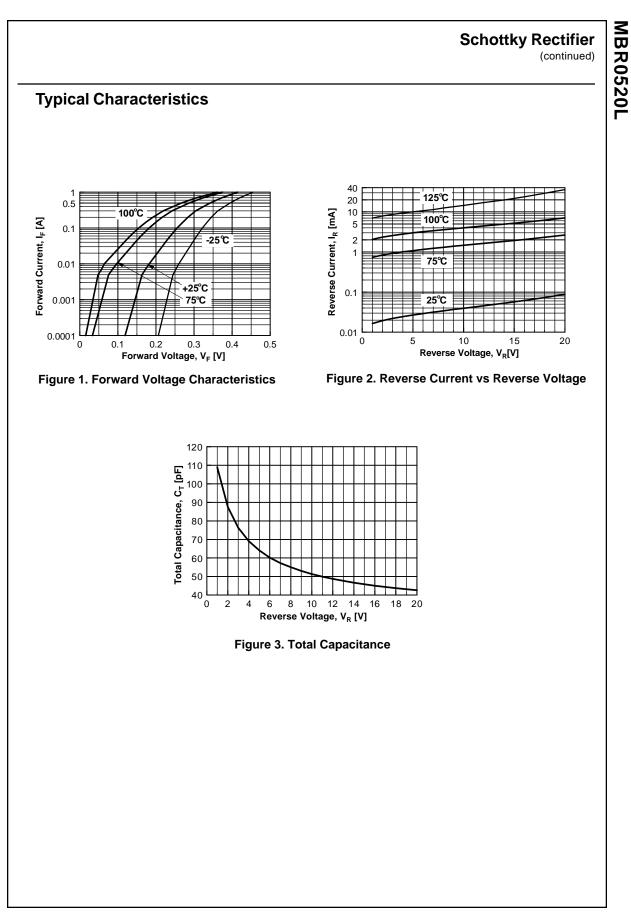
Symbol	Parameter	Value	Units
$R_{ extsf{ heta}JA}$	Thermal Resistance Junction to Ambient*	340	°C/W
$R_{_{ ext{ hetaJL}}}$	Thermal Resistance Junction to Lead	150	°C/W

*FR-4 or FR-5 = 3.5 x 1.5 inches using minimum recommended Land Pads.

Electrical Characteristics $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter		Value	Units
V _F	Forward Voltage	@ I _F = 100 mA,	300	mV
·	-	I _F = 100 mA, T _A = 100 °C	220	mV
		$I_{\rm F} = 500 {\rm mA}$	385	mV
		I _F = 500 mA, T _A = 100 °C	330	mV
I _R	Reverse Current	@ V _R = 10 V,	75	μA
		$V_{R} = 10 \text{ V}, \text{T}_{A} = 100 ^{\circ}\text{C}$	5.0	mA
		$V_{\rm R} = 20 \rm V$	250	μA
		$V_{R} = 20 V, T_{A} = 100 \ ^{\circ}C$	8.0	mA

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