

Schottky Rectifiers

Absolute Maximum Ratings* T_A = 25°C unless otherwise noted

Symbol	Parameter	Value				Units
		1035	1045	1050	1060	1
V _{RRM}	Maximum Repetitive Reverse Voltage	35	45	50	60	V
I _{F(AV)}	Average Rectified Forward Current	10			Α	
I _{FSM}	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	150			А	
T _{stg}	Storage Temperature Range	-65 to +175			°C	
TJ	Operating Junction Temperature	-65 to +150			°C	

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

Thermal Characteristics

Symbol	Parameter	Value	Units	
P _D	Power Dissipation	2.0	W	
R _{eJA}	Thermal Resistance, Junction to Ambient	60	°C/W	
$R_{ extsf{ hetaJL}}$	Thermal Resistance, Junction to Lead	2.0	°C/W	

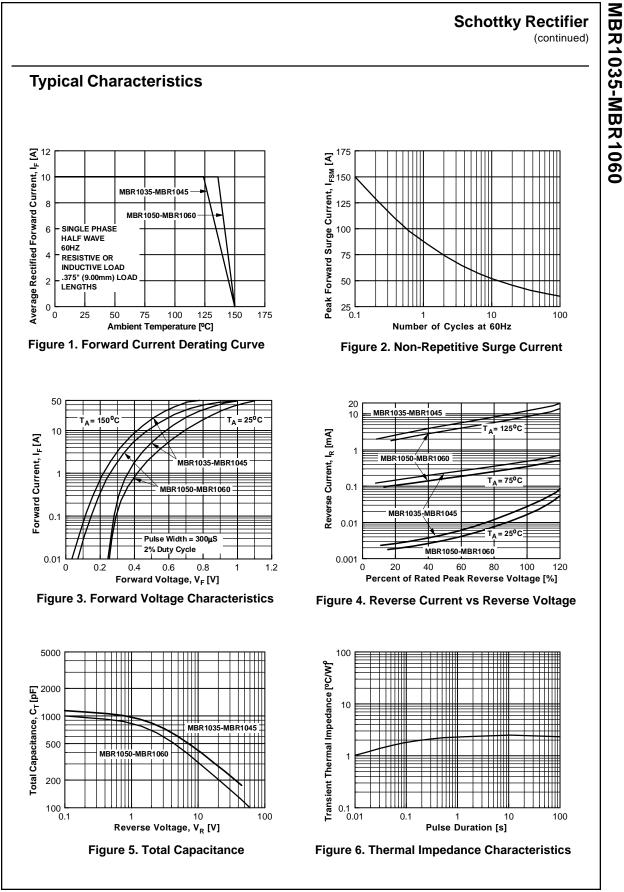
Electrical Characteristics $T_A = 25^{\circ}C$ unless otherwise noted

Symbol	Parameter		Device			
		1035	1045	1050	1060	
V _F	Forward Voltage $I_{F=} 10 \text{ A}, T_{C} = 25^{\circ}\text{C}$ $I_{F=} 10 \text{ A}, T_{C} = 125^{\circ}\text{C}$ $I_{F=} 20 \text{ A}, T_{C} = 25^{\circ}\text{C}$ $I_{F=} 20 \text{ A}, T_{C} = 125^{\circ}\text{C}$	0.	0.57 0.84 0.72		0.80 0.70 0.95 0.85	
I _R	Reverse Current @ rated $V_R T_A = 25^{\circ}C$ $T_A = 125^{\circ}C$				mA mA	
I _{RRM}	Peak Repetitive Reverse Surge Current 2.0 us Pulse Width, f = 1.0 KHz	1	.0	0	.5	A
		÷			0	

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MBR1035 - MBR1060, Rev. C

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