

# Schottky Rectifiers

### Absolute Maximum Ratings\* T<sub>A</sub>=25°C unless otherwise noted

Symbol	Parameter	Value				Units
		3035PT	3045PT	3050PT	3060PT	
V <sub>RRM</sub>	Maximum Repetitive Reverse Voltage	35	45	50	60	V
I <sub>F(AV)</sub>	Average Rectified Forward Current	30			А	
I <sub>FSM</sub>	Non-repetitive Peak Forward Surge Current 8.3 ms Single Half-Sine-Wave	200			А	
T <sub>stg</sub>	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**

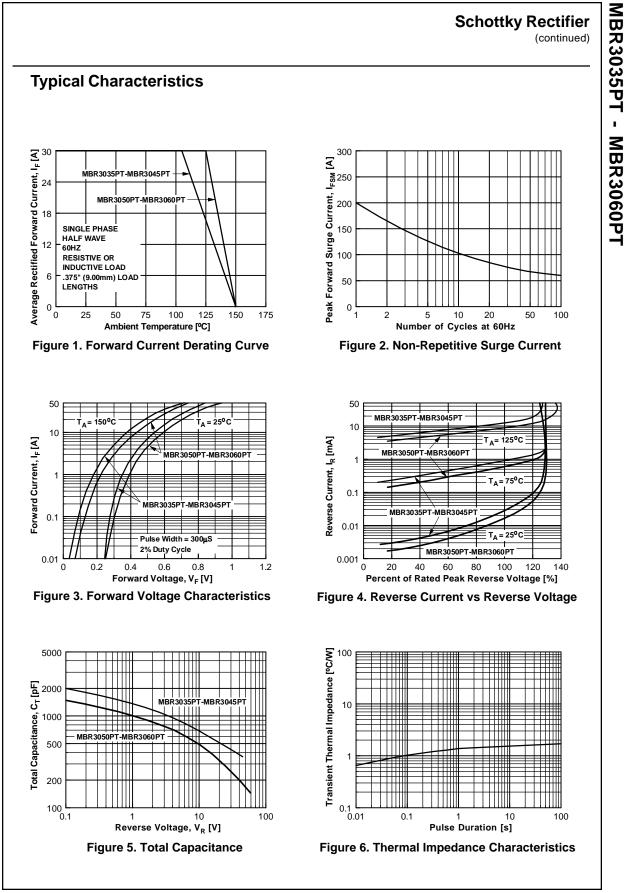
Symbol	Parameter	Value	Units
PD	Power Dissipation	3.0	W
$R_{ ext{ ext{ ext{ ext{ ext{ ext{ ext{ ext$	Thermal Resistance, Junction to Lead	1.4	°C/W

## Electrical Characteristics T<sub>A</sub> = 25°C unless otherwise noted

Symbol	Parameter		Device			
		3035PT	3045PT	3050PT	3060PT	Units
V <sub>F</sub>	Forward Voltage $I_{F=} 20 \text{ A}$ , $T_{C} = 25^{\circ}\text{C}$ $I_{F=} 20 \text{ A}$ , $T_{C} = 125^{\circ}\text{C}$ $I_{F=} 30 \text{ A}$ , $T_{C} = 25^{\circ}\text{C}$ $I_{F=} 30 \text{ A}$ , $T_{C} = 125^{\circ}\text{C}$	0.	0.60 0.76 0.72		0.75 0.65 - -	
I <sub>R</sub>	Reverse Current @ rated $V_R$ $T_A = 25^{\circ}C$ $T_A = 125^{\circ}C$		1.0 60		5.0 100	
I <sub>RRM</sub>	Peak Repetitive Reverse Surge Current 2.0 us Pulsu Width, f = 1.0 KHz	1	1.0		0.5	

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MBR3035PT - MBR3060PT, Rev. C



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