

• Guard ring for over voltage protection.

Schottky Rectifiers

Absolute Maximum Ratings*

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

Symbol	Parameter	Value				Units
		2535CT	2545CT	2550CT	2560CT	1
V _{RRM}	Maximum Repetitive Reverse Voltage	35	45	50	60	V
I _{F(AV)}	Average Rectified Forward Current .375 " lead length @ $T_A = 130^{\circ}C$	30			А	
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.

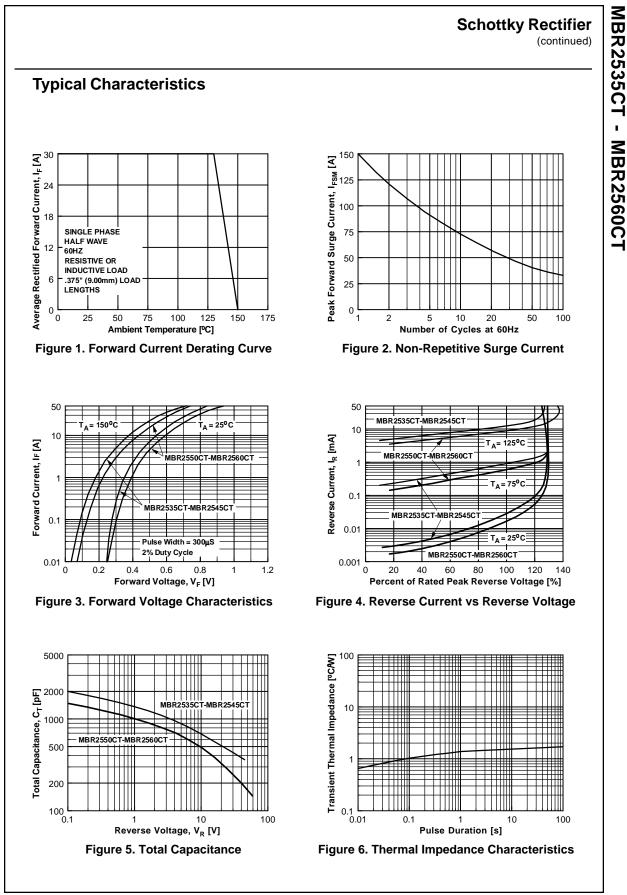
Thermal Characteristics

Symbol	Parameter	Value	Units
P _D	PowerDissipation	2.0	W
R _{eJA}	Thermal Resistance, Junction to Ambient	60	°C/W
R _{eJL}	Thermal Resistance, Junction to Lead	1.5	°C/W

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

Symbol	Parameter		Device			
		2535CT	2545CT	2550CT	2560CT	Units
V _F	Forward Voltage $I_{F=}$ 15 A, T_{C} = 25°C $I_{F=}$ 15 A, T_{C} = 125°C $I_{F=}$ 30 A, T_{C} = 25°C $I_{F=}$ 30 A, T_{C} = 125°C	-	0.82 0.73		0.75 0.65 - -	
I _R	Reverse Current @ rated V_R $T_A = 25^{\circ}C$ $T_A = 125^{\circ}C$	-	0.2 40		1.0 50	
I _{RRM}	Peak Repetitive Reverse Surge Current 2.0 us Pulse Width, f = 1.0 KHz	1	1.0		0.5	

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MBR2535CT - MBR2560CT, Rev. C

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