

I_F	Forward Voltage	$I_F=30A$	1.2	1.8	V
		$I_F=30A, T_J=125$	1.05		
trr	Reverse Recovery Time	$(I_F = 1A, di_F/dt = -200A/s, V_R = 30V)$	22	27	
trr	Reverse Recovery Time	$(I_F = 0.5A, I_R=1A, I_{RR} = 0.25A)$			

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ELECTRICAL CHARACTERISTICS ($T_C=25^\circ\text{C}$ unless otherwise specified)

Symbol	Parameter/Test Conditions	Min.	Typ.	Max.	Unit
trr	Reverse Recovery Time				ns
	$I_F=30\text{A}, V_R=150\text{V},$				A
	dl				nC
					ns
					A
					nC

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I_F (A)

Z_{thJC} (K/W)

T_c ()

Figure 5. Forward current vs Case temperature

Rectangular Pulse Duration (s)

Figure 6. Transient Thermal Impedance