

	Symbol	Value	Units
Repetitive Peak Off-State Voltage and Repetitive Peak Reverse Voltage @ $T_c = 125^{\circ}C$	V _{DRM} V _{RRM}	200	Volts
FCR0320 FCR0330 FCR0340		300 400	
RMS On-State Current @ $T_c = 50^{\circ}C$ and Conduction Angle of 180°	I _{T(AV)}	0.3	Amps
Peak-Surge On-State Current One cycle @ 50Hz or 60Hz	V _{TSM}	6	Amps
Peak Gate-Trigger Current for 3µs max.	I _{GTM}	0.1	Amps
Peak Gate-Power Dissipation @ $I_{GT} \leq I_{GTM}$	P _{GM}	0.1	Watts
Average Gate-Power Dissipation	P _{G(AV)}	0.05	Watts
Peak Off-State Current (1) $T_c = 25^{\circ}C$ @ Rated Reverse Voltage $T_c = 125^{\circ}C$	I _{DRM} I _{BRM}	10 200	μAmps
Maximum On-State Voltage @ T_c = 25°C and I_T = 0.3A	V _{TM}	1.7	Volts
DC Holding Current (1), Gate Open, $T_c = 25^{\circ}C$	I _{HO}	5	mAmps
Critical Rate-Of-Rise of Off-State Voltage (1) Gate Open, $T_c = 110^{\circ}C$	Critical dV/dt	5	Volts/µsec
DC Gate -Trigger Current for Anode (2)	I _{GT}	200	μAmps
DC Gate -Trigger Voltage for Anode (2)	V _{gt}	0.8	Volts
Gate-Controlled Turn-On Time, $t_{D} + t_{R}$ $I_{GT} = 10$ mA, $T_{C} = 25$ °C	T _{gt}	2.2	μsec
Typical Thermal Resistance Junction to Case	R _{eJC}	75	°C/Watt
Storage Temperature Range	T _{stg}	-40 to 150	°C
Operating Temperature Range	T	-40 to 110	°C

Notes:

(1) $R_{G-K} = 1k\Omega$. (2) Voltage = 7Vdc, $R_L = 100\Omega$, $T_c = 25^{\circ}C$.