Symbol	Description
C_S	Snubber capacitance
E_{OFF}	Turn-off energy losses
E_{ON}	Turn-on energy losses
F_m	Mounting force
I_C	IGBT nominal collector current
I_{Cpulse}	Pulsed collector current
I_F	Diode nominal mean forward current
I_{FAVM}	Max. average forward current (180° sine wave)
I_{FSM}	Max. surge peak forward current for a 180° sine wave; no voltage reapplied after surge
I-pulse	Peak current pulse
I_{RM}	Max. peak avalanche current for a single 180° sine wave pulse
I_{rr}	Max. (typ. for IGBT diode) reverse recovery current
I_{TAVM}	Max. average on-state current (180° sine wave)
I_{TGQM}	Max. turn-off current
I_{TSM}	Max. surge peak on-state current for a 180° sine wave; no voltage reapplied after surge
P_{RSM}	Max. surge avalanche power dissipation (single pulse)
Q_{rr}	Max. (typ. for IGBT diode) reverse recovery charge
r_F	Slope resistance
r_T	Slope resistance
R_{thCH}	Thermal resistance case to heatsink
R_{thHA}	Thermal resistance heatsink to ambient
R_{thJC}	Thermal resistance junction to case
R_{thJH}	Thermal resistance junction to heatsink
T_C	Case temperature
T_m	Max. temperature for continuous operation with max. mounting force
t_{rr}	Max. (typ. for IGBT diode) reverse recovery time
T_{VJ}	Junction temperature
T_{VJM}	Max. junction temperature

Symbol	Description
V_C	Max. isolation voltage
V_{CES}	IGBT collector emitter blocking voltage
V_{CEsat}	Collector-emitter saturation voltage
V_{DC}	Max. DC voltage rating for 100 FIT, 100% duty
V_{DRM}	Max. repetitive peak forward blocking voltage (50 Hz, 10 ms)
V_{DSM}	Max. surge peak forward blocking voltage (5 Hz, 10 ms and T_{VJM} for PCTs)
V_F	Forward voltage drop
V_{F0}	Threshold voltage
V_{Fmax}	Max. forward voltage drop
V_{Fmin}	Min. forward voltage drop
V_{GIN}	Input voltage of IGCT gate drive
V_{RM}	Max. repetitive peak blocking voltage (50 Hz, 10 ms for BCTs)
V_{RRM}	Max. repetitive peak (reverse) blocking voltage (50 Hz, 10 ms)
V_{SM}	Max. surge peak blocking voltage (5 Hz, 10 ms and T_{VJM} for BCTs)
V_{RSM}	Max. surge peak (reverse) blocking voltage (5 Hz, 10 ms and T_{VJM} for PCTs)
V_T	On-state voltage drop
V_{T0}	Threshold voltage