Symbols and Definitions

Symbol	Definition	Symbol	Definition
$I_{F(AV)}$	Mean forward current	V_{FM}	Peak forward voltage
I_{FSM}	Surge forward current	$V_{F(TO)}$	Forward threshold voltage
I_{FM}	Peak forward current	V_{DRM}	Repetitive peak off-state voltage
I_{RRM}	Repetitive peak reverse current	V_{RRM}	Repetitive peak reverse voltage
I_{DRM}	Peak off-state current	V_{DSM}	Non-repetitive peak off-state voltage
I_{rr}	Max. reverse recovery current	V_{RSM}	Non-repetitive peak reverse voltage
$I_{G(ON)}$	Gate turn-on current (GTO)	V_{GT}	Gate trigger voltage
$I_{T(AV)}$	Mean on-state current	V_{TM}	Peak on-state voltage
I_{TCM}	Max. repetitive controllable current (GTO)	V_{TO}	On-state threshold voltage
I_{TGQ}	Max. controllable peak on-state current(GTO)	V_D	Rated continuous (direct) output voltage
$I_{T(RMS)}$	RMS on-state current	V_{OV}	Overload current
I_{TSM}	Surge on-state current	di/dt	Critical rate of rise of on-state current
I_{TM}	Peak on-state current	dv/dt	Critical rate of rise of off-state voltage
I_{GT}	Gate trigger current	dv/dt(c)	Critical rate of rise of commutating voltage
I_H	Holding current	di_T/dt	Critical rate of rise of on-state current(GTO)
I_{rr}	Max. reverse recovery current	dv_D/dt	Critical rate of rise of off-state voltage(GTO)
I^2t	I²t value	f_M	Max. operating frequency
I_O	Rated rectifier output current	F	Mounting force
Q_{rr}	Reverse recovery charge	M	Mounting torque
R_{thjc}	Thermal resistance junction to case	m	Mass of the device
R_{thch}	Thermal resistance case to heatsink		
R_{thjh}	Thermal resistance junction to heatsink		
r_F	Forward slope resistance		
r_T	On-state slope resistance		
T_C	Case temperature		
T_{vj}	Virtual junction temperature		
t_{rr}	Reverse recovery time		
t_q	Circuit commutated turn-off time		
t_{gt}	Gate controlled turn-on time		
t_{gq}	Gate controlled turn-off time (GTO)		