

SYMBOLS AND TERMS

SYMBOL	TERMS
V_{RRM}	Repetitive peak reverse voltage
V_{DRM}	Repetitive peak off-state voltage
V_{CES}	Maximum permissible collector voltage
V_{CEsat}	Collector-emitter saturation voltage
V_{BR}	Avalanche breakdown voltage
V_{BO}	Protective break over voltage
V_{FM}	Peak forward voltage
V_{TM}	Peak on-state voltage
V_{TO}	Threshold voltage diodes
$V_{T(TO)}$	On-state threshold voltage thyristor
V_{GT}	Gate trigger direct voltage
V_{RGM}	Peak reverse gate voltage
V_{MG}	Insulating strength between power and control circuits
I_D	Direct output current of the rectifier
I_{RRM}	Repetitive peak reverse current
I_{DRM}	Repetitive peak off-state current
I_{TM}	Peak on-state current
$I_{T(AV)}$	Maximum average on-state current
I_{TRMS}	Maximum RMS on-state current
I_{TRM}	Maximum permissible repetitive peak on-state current
I_F	DC forward current
$I_{F(AV)}$	Maximum average forward current
I_{FM}	Peak forward current
I_{FRMS}	Maximum RMS forward current
I_C	DC collector current
I_{CM}	Peak collector current
I_{FGM}	Peak forward gate current
I_{TQRM}	Maximum repetitive turn-off current
I_{FSM}	Surge forward current
I_{TSM}	Surge on-state current
I_{GT}	Gate trigger current
$I_{G(ON)}$	Minimum on-state gate current
I_{GQM}	Peak gate turn-off current
I_{RM}	Peak reverse recovery current
T_C	Case temperature
T_{VJM}	Maximum permissible junction temperature
r_T	On-state slope resistance
P_{RSM}	Maximum surge avalanche power dissipation
P_{LM}	Minimum gate trigger light power
t_{rr}	Reverse recovery time
t_{gt}	Turn-on time (for thyristors)
t_{on}	Turn-on time (for IGBT)
t_{off}	Turn-off time (for IGBT)
t_q	Turn-off time (for thyristors)
t_{gq}	Gate controlled turn-of time
t_s	Storage time
t_f	Fall time
$(dv_D/dt)_{crit}$	Critical rate of rise of off-state voltage
$(dv_D/dt)_{com}$	Critical rate of rise of commutating voltage
$(di_T/dt)_{crit}$	Critical rate of rise of on-state current
R_{thJW}	Thermal resistance junction to water
$R_{th(j-c)}$	Thermal resistance junction to case
M_d	Mounting torque
F	Mounting force
V_{isol}	Insulation voltage (r.m.s.)
w	Weight