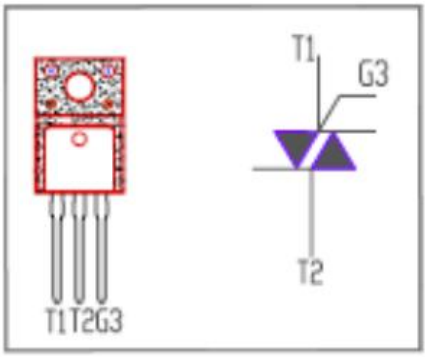
isc Triacs T635T-8FP



FEATURES

- With TO-220F package
- Suitables for general purpose AC switching. Which can be used as an ON/OFF function in applications such as static relays, heating regulation,induction motor starting circuits. Or for phase control operation in light dimmers, motor speed controllers etc.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	800	V
V_{RRM}	Repetitive peak off-state voltage	800	V
$I_{T(RMS)}$	RMS on-state current (full sine wave)T_j=80℃	6	A
I_{TSM}	Non-repetitive peak on-state current t_p=20ms	45	A
T_j	Operating junction temperature	-40~150	℃
T_{stg}	Storage temperature	-40~150	℃
$R_{th(j-c)}$	Thermal resistance, junction to case	4.5	℃/W
$R_{th(j-a)}$	Thermal resistance, junction to ambient	60	℃/W

ELECTRICAL CHARACTERISTICS (T_C=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MIN	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		V_R=V_{RRM},Tj=25℃ V_R=V_{RRM}, Tj=125℃		5 0.6	uA
I_{DRM}	Repetitive peak off-state current		V_D=V_{DRM},Tj=25℃ V_D=V_{DRM}, Tj=125℃		5 0.6	uA
I_{GT}	Gate trigger current	I	V_D=12V; R_L= 33Ω	1.75	35	mA
		II		1.75	35	
		III		1.75	35	
V_{GT}	Gate trigger voltage all quadrant		V_D=12V; R_L= 33Ω		1.5	V
I_H	Holding current		I_{GT}= 0.5A, Gate Open		60	mA
V_{TM}	On-state voltage		I_T= 8.5A; t_p= 380μs		1.55	V

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