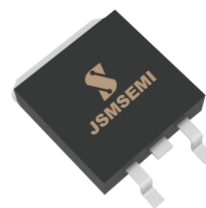


FEATURES

- With TO-263 non insulated package
- Suitable 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.



TO-263


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)	25	A
I_{TSM}	Non-repetitive peak on-state current $t_p=20ms$	250	A
T_j	Operating junction temperature	125	℃
T_{stg}	Storage temperature	-40~150	℃
$R_{th(j-c)}$	Thermal resistance, junction to case	1.7	℃/W
$R_{th(j-a)}$	Thermal resistance, junction to ambient	60	℃/W

ELECTRICAL CHARACTERISTICS (T_c=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	BW	CW	UNIT
I_{RRM}	Repetitive peak reverse current		$V_R=V_{RRM}$, $V_R=V_{RRM}$, $T_j=110^{\circ}C$	0.005 3	0.001 3	mA
I_{DRM}	Repetitive peak off-state current		$V_D=V_{DRM}$, $V_D=V_{DRM}$, $T_j=110^{\circ}C$	0.005 3	0.001 3	mA
I_{GT}	Gate trigger current	I	$V_D=12V$; $R_L=30\Omega$	50	35	mA
		II		50	35	
		III		50	35	
I_H	Holding current		$I_{GT}=0.5A$, Gate Open	75	50	mA
V_{GT}	Gate trigger voltage all quadrant		$V_D=12V$; $R_L=30\Omega$	1.3		V
V_{TM}	On-state voltage		$I_T=35A$; $t_p=380\mu s$	1.55		V

TO-263

Unit: mm

