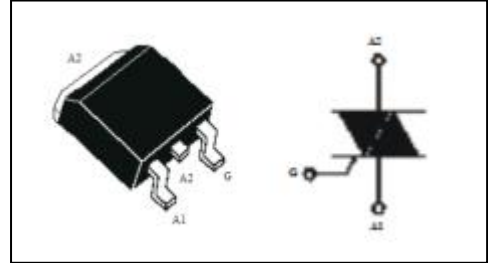# isc Triacs · T1635-800G

FEATURES

· With TO-263 package.

· Be suitable for general purpose AC switching,they can be used as an ON/OFF function in applications.

· Minimum Lot-to-Lot variations for robust device performance and reliable operation.

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER	MIN	UNIT
V_{DRM}	Repetitive peak off-state voltage	800	V
V_{RRM}	Repetitive peak reverse voltage	800	V
$I_{T(RMS)}$	RMS on-state current Tc = 100℃	16	A
I_{TSM}	Non-repetitive peak on-state current	160	A
T_j	Operating junction temperature	-40~125	℃
T_{stg}	Storage temperature	-40~150	℃
$R_{th(j-c)}$	Thermal resistance（Junction to Case）	1.2	℃/W

ELECTRICAL CHARACTERISTICS (T$_C$=25℃ unless otherwise specified)

SYMBOL	PARAMETER		CONDITIONS	MAX	UNIT
I_{RRM}	Repetitive peak reverse current		$V_{DRM}=V_{RRM}$; Tj=25℃	5	μA
			$V_{DRM}=V_{RRM}$; Tj=125℃	2	mA
I_{DRM}	Repetitive peak off-state current		$V_{DRM}=V_{RRM}$; Tj=25℃	5	μA
			$V_{DRM}=V_{RRM}$; Tj=125℃	2	mA
I_{GT}	Gate trigger current	I	V_D=12V;R_L= 33Ω	35	mA
		II		35	
		III		35	
V_{GT}	Gate trigger voltage all quadrant		V_D=12V;R_L= 33Ω	1.3	V
V_{TM}	On-state voltage		I_{TM}=22.5A; Tj = 25℃	1.55	V

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