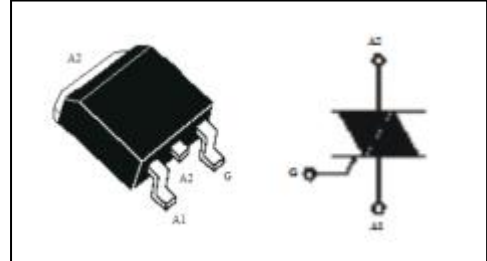


## isc Triacs

## 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°C)

SYMBOL	PARAMETER	MIN	UNIT
V <sub>DRM</sub>	Repetitive peak off-state voltage	800	V
V <sub>RRM</sub>	Repetitive peak reverse voltage	800	V
I <sub>T(RMS)</sub>	RMS on-state current T <sub>c</sub> = 100°C	16	A
I <sub>TSM</sub>	Non-repetitive peak on-state current	160	A
T <sub>j</sub>	Operating junction temperature	-40~125	°C
T <sub>stg</sub>	Storage temperature	-40~150	°C
R <sub>th(j-c)</sub>	Thermal resistance (Junction to Case)	1.2	°C/W

ELECTRICAL CHARACTERISTICS (T<sub>c</sub>=25°C unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MAX	UNIT	
I <sub>RRM</sub>	Repetitive peak reverse current	V <sub>DRM</sub> =V <sub>RRM</sub> ; T <sub>j</sub> =25°C	5	μA	
		V <sub>DRM</sub> =V <sub>RRM</sub> ; T <sub>j</sub> =125°C	2	mA	
I <sub>DRM</sub>	Repetitive peak off-state current	V <sub>DRM</sub> =V <sub>RRM</sub> ; T <sub>j</sub> =25°C	5	μA	
		V <sub>DRM</sub> =V <sub>RRM</sub> ; T <sub>j</sub> =125°C	2	mA	
I <sub>GT</sub>	Gate trigger current	I	35	mA	
		II	V <sub>D</sub> =12V; R <sub>L</sub> = 33 Ω		35
		III	35		
V <sub>GT</sub>	Gate trigger voltage all quadrant	V <sub>D</sub> =12V; R <sub>L</sub> = 33 Ω	1.3	V	
V <sub>TM</sub>	On-state voltage	I <sub>TM</sub> =22.5A; T <sub>j</sub> = 25°C	1.55	V	

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