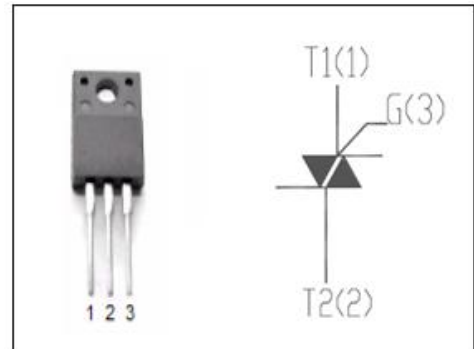


isc Triacs

T410-800W

FEATURES

- With TO-220F packaging
- Be used in applications requiring high bidirectional transient and blocking voltage capability and high thermal cycling performance. Typical applications include motor control, industrial and domestic lighting, heating and static switching.



ABSOLUTE MAXIMUM RATINGS(Ta=25°C)

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)	4	A
I _{TSM}	Non-repetitive peak on-state current t _p =20ms	30	A
P _{GM}	Peak gate power dissipation	5	W
P _{G(AV)}	Average gate power dissipation	1	W
T _j	Operating junction temperature	-40~125	°C
T _{stg}	Storage temperature	-40~150	°C

ELECTRICAL CHARACTERISTICS (T_c=25°C unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _R =V _{RRM} , V _R =V _{RRM} , T _j =125°C		5 1	μA mA
I _{DRM}	Repetitive peak off-state current	V _D =V _{DRM} , V _D =V _{DRM} , T _j =125°C		5 1	μA mA
I _{GT}	Gate trigger current	V _D =12V; R _L =30 Ω		10	mA
			I	10	
			II	10	
	III		10		
V _{TM}	On-state voltage	I _T = 5.5A, t _p =380μs		1.6	V
I _H	Holding current	I _{GT} = 0.1A		15	mA
V _{GT}	Gate trigger voltage	V _D =12V; R _L =30 Ω		1.3	V

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