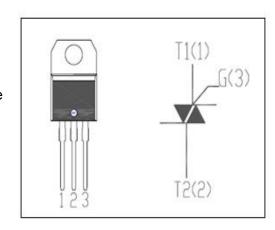


isc Thyristors BTA212B-800B

DESCRIPTION

- · With TO-220 packaging
- · High operating junction temperature
- Very high commutation performancemaximized at each gate sensitivity
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



APPLICATIONS

- · High temperature, high power motor control
- · Solid state relays; heating and cooking appliances
- · Switching applications

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

SYMBOL	PARAMETER			UNIT
V _{DRM}	Repetitive peak off-state voltage			V
V_{RRM}	Repetitive peak reverse voltage			V
I _{T(RMS)}	RMS on-state current @Tc=99℃		12	Α
Ітѕм	Surge non-repetitive on-state current	50HZ 60HZ	95 104	Α
P _{G(AV)}	Average gate power dissipation (over any 20 ms period)			W
Tj	Operating junction temperature			$^{\circ}$
T _{stg}	Storage temperature			${\mathbb C}$



isc Thyristors

BTA212B-800B

ELECTRICAL CHARACTERISTICS (Tc=25℃ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS		MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _R =V _{RRM} Rated; Tj=	Tj=25℃ Tj=100℃		0.01 0.5	mA
I_{DRM}	Repetitive peak off-state current	V _D =V _{DRM} Rated;				
V _{TM}	On-state voltage	I _T =17A,t _P =380 μ s			1.6	V
I _{GT}	Gate-trigger current		I		50	
		$V_D = 12V; I_T = 0.1A$	II		50	mA
			III	5	50	
V _{GT}	Gate-trigger voltage	V _D =12V;I _T =0.1A	•		1.5	V

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