

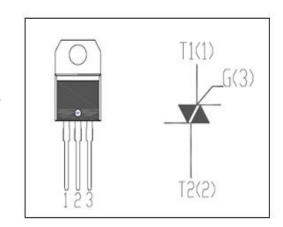
isc Thyristors TXDV812

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



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



ABSOLUTE MAXIMUM RATINGS(T_a=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=90°C			Α
I _{TSM}	Surge non-repetitive on-state current	50HZ 60HZ	120 125	А
P _{G(AV)}	Average gate power dissipation (over any 20 ms period)			W
Tj	Operating junction temperature			°C
T _{stg}	Storage temperature			$^{\circ}$ C

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℃		0.01 2	mA
I _{DRM}	Repetitive peak off-state current	V _D =V _{DRM} Rated;	Tj=125℃			
V _{TM}	On-state voltage	I _T =17A,t _P =380 μ s			1.95	V
I _{GT}	Gate-trigger current		I		100	mA
		V _D =12V;R _L =33 Ω	II		100	
			III		100	
V_{GT}	Gate-trigger voltage	V _D =12V;R _L =33 Ω			1.5	V



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