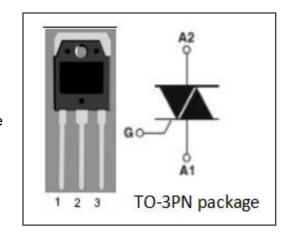


isc Thyristors BTA41-400B

DESCRIPTION

- · With TO-3PN packaging
- Can be operated in 4 quadrants
- Advanced technology to provide customers with high commutation performances
- Minimum Lot-to-Lot variations for robust device performance and reliable operation



APPLICATIONS

- Switching applications
- · Phase control
- · Static switching on inductive or resistive load

ABSOLUTE MAXIMUM RATINGS(Ta=25℃)

ABSOLUTE MAXIMUM RATINGS(Ta-29 C)										
SYMBOL	PARAMETER			UNIT						
V _{DRM}	Repetitive peak off-state voltage			V						
V_{RRM}	Repetitive peak reverse voltage			V						
I _{T(RSM)}	Average on-state current Tc=75°C			А						
I _{TSM}	Surge non-repetitive on-state current	50HZ 60HZ	315 300	А						
P _{G(AV)}	Average gate power dissipation (over any 20 ms period)			W						
T _j	Operating junction temperature			$^{\circ}$						
T _{stg}	Storage temperature			${\mathbb C}$						



isc Thyristors BTA41-400B

ELECTRICAL CHARACTERISTICS (Tc=25℃ unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS			MIN	MAX	UNIT
I _{RRM}	Repetitive peak reverse current	V _R =V _{RRM} Rated;	,			0.01	_
I _{DRM}	Repetitive peak off-state current	V _D =V _{DRM} Rated;				6	mA
V_{TM}	On-state voltage	I _T =60A; t _P =380 µ s				1.8	V
I _{GT}	Gate-trigger current			I		50	mA
		V =12V/D =22O	II			50	
				III		50	
				IV		100	
V _{GT}	Gate-trigger voltage	$V_D = 12V; R_L = 33\Omega;$				1.5	V
Rth (j-c)	Junction to case					1.2	°C/W



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