

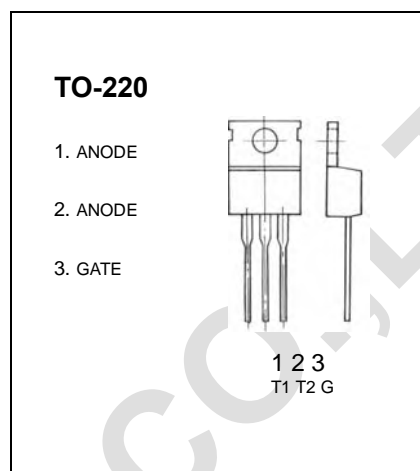
### BTB06 TRIAC

#### FEATURES

$V_{DRM}$ : 600 V

$I_{T(RMS)}$ : 6 A

$P_{G(AV)}$  ( $T_J = 125^\circ\text{C}$ ): 1 W



Operating and storage junction temperature range

$T_J, T_{stg}$ :  $-40^\circ\text{C}$  to  $+150^\circ\text{C}$

#### ELECTRICAL CHARACTERISTICS ( $T_{amb}=25^\circ\text{C}$ unless otherwise specified)

Parameter	Symbol	Test conditions	MIN	MAX	UNIT		
Rated repetitive peak off-state current	$I_{DRM}$	$V_D = V_{DRM}$		10	$\mu\text{A}$		
On-state voltage	$V_{TM}$	$I_T = 8\text{A}$		1.7	V		
Gate trigger current	I <sub>GT</sub>	$V_D = 12\text{V}$  $R_L = 100\Omega$		25	mA		
			I	T <sub>2</sub> (+), G(+)		25	mA
			II	T <sub>2</sub> (+), G(-)		25	mA
			III	T <sub>2</sub> (-), G(-)		25	mA
IV	T <sub>2</sub> (-), G(+)		-	mA			
Gate trigger voltage	V <sub>GT</sub>	$V_D = 12\text{V}$  $R_L = 100\Omega$		1.45	V		
			I	T <sub>2</sub> (+), G(+)		1.45	V
			II	T <sub>2</sub> (+), G(-)		1.45	V
			III	T <sub>2</sub> (-), G(-)		1.45	V
IV	T <sub>2</sub> (-), G(+)		-	V			
Holding current	I <sub>H</sub>	$I_T = 500\text{mA}$ $I_G = 50\text{mA}$		50	mA		
			I				
	III						