

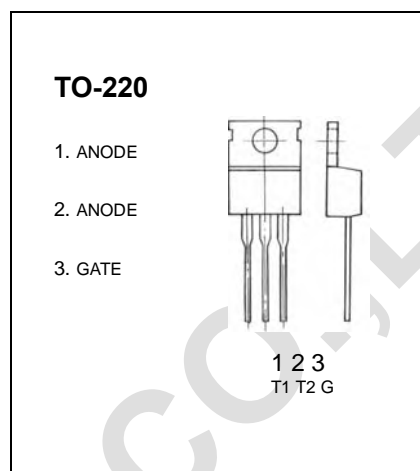
### BTB06 TRIAC

#### 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	$I_{GT}$	$V_D = 12\text{V}$ $R_L = 100\Omega$	I	25	mA
			II	25	mA
			III	25	mA
			IV	-	mA
Gate trigger voltage	$V_{GT}$	$V_D = 12\text{V}$ $R_L = 100\Omega$	I	1.45	V
			II	1.45	V
			III	1.45	V
			IV	-	V
Holding current	$I_H$	$I_T = 500\text{mA}$ $I_G = 50\text{mA}$		50	mA