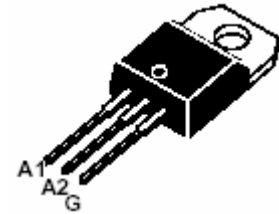


# BTA08

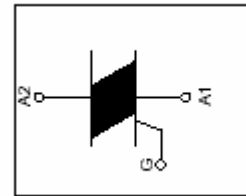
## ◆ Features

- With TO-220AB Insulated package
- Suitable for general purpose AC switching, which can be used as an ON/OFF function in applications such as static relays, heating regulation, induction motor starting circuits... or for phase control operation in light dimmers, motor speed controllers..



## ◆ QUICK REFERENCE DATA

SYMBOL	PARAMETER	VALUE	UNIT
$V_{DRM}$	Repetitive peak off-state voltage	600	V
$V_{RRM}$	Repetitive peak off-state voltage	600	V
$I_{T(AV)}$	Average on-state current	8	A
$I_{TSM}$	Non-repetitive peak on-state current	80	A
$T_{stg}$	Storage temperature	-45 ~ 150	
$T_j$	Operating junction temperature	110	
			TO-220AB



## ◆ ELECTRICAL CHARACTERISTICS ( $T_j = 25^\circ\text{C}$ , unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{DRM}$	Repetitive peak off-state voltage	$I_D=0.1\text{mA}$	600		V
$V_{RRM}$	Repetitive peak reverse voltage	$I_D=0.5\text{mA}$	600		V
$I_{GT}$	Gate trigger current	$V_D=12\text{V}; R_L=100$ T2+ G+		25	mA
		T2+ G-		35	
		T2- G-		35	
		T2- G+		100	
$V_T$	On-state voltage	$I_T=11\text{A}$		1.55	V
$I_H$	Holding current	$I_T=0.2\text{A}; I_{GT}=50\text{mA}$		50	mA
$V_{GT}$	Gate trigger voltage	$V_D=12\text{V}; R_L=100$ T2+ G+		1.5	V
		T2+ G-		1.5	
		T2- G-		1.5	
		T2- G+		1.8	