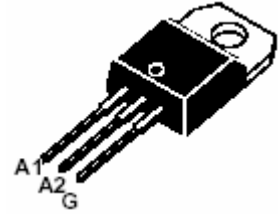


# BTA16-600B

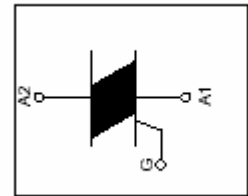
## ◆ Features

- With TO-220AB Insulated package
- This type is suitable for general purpose AC switching, and 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, etc



## ◆ 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	16	A		
$I_{TSM}$	Non-repetitive peak on-state current	160	A		
$T_{stg}$	Storage temperature	-45~150	°C		
$T_j$	Operating junction temperature	110	°C		TO-220AB



## ◆ ELECTRICAL CHARACTERISTICS (T<sub>j</sub> = 25°C, unless otherwise specified)

SYMBOL	PARAMETER	CONDITIONS	MIN	MAX	UNIT
$V_{DRM}$	Repetitive peak off-state voltage	$I_D=0.1mA$	600		V
$V_{RRM}$	Repetitive peak reverse voltage	$I_D=0.5mA$	600		V
$I_{GT}$	Gate trigger current	$V_D=12V; R_L=100\Omega$ T2+ G+		50	mA
		T2+ G-		50	
		T2- G-		50	
		T2- G+		100	
$V_T$	On-state voltage	$I_T=22.5A$		1.6	V
$I_H$	Holding current	$I_T=0.5A; I_{GT}=50mA$		50	mA
$V_{GT}$	Gate trigger voltage	$V_D=12V; R_L=100\Omega$ T2+ G+		1.5	V
		T2+ G-		1.5	
		T2- G-		1.5	
		T2- G+		1.8	