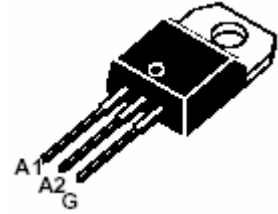


BTA16-600B

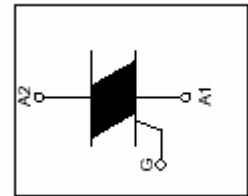
◆ Features

- 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 ($T_j = 25^\circ\text{C}$, 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	$V_D=12\text{V}; R_L=100\ \Omega$ T2+ G+		50	mA
		T2+ G-		50	
		T2- G-		50	
		T2- G+		100	
V_T	On-state voltage	$I_T=22.5\text{A}$		1.6	V
I_H	Holding current	$I_T=0.5\text{A}; I_{GT}=50\text{mA}$		50	mA
V_{GT}	Gate trigger voltage	$V_D=12\text{V}; R_L=100\ \Omega$ T2+ G+		1.5	V
		T2+ G-		1.5	
		T2- G-		1.5	
		T2- G+		1.8	