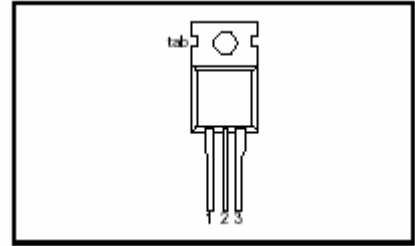


# BT136-600E



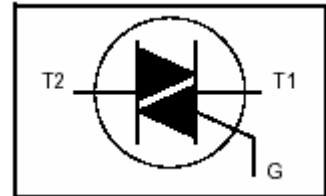
### ◆ Features

- With TO-220AB package
- Glass passivated, sensitive gate triacs in a plastic envelope, intended for use in general purpose bidirectional switching and phase control applications, where high sensitivity is required in all four quadrants.

PIN	DESCRIPTION
1	main terminal 1
2	main terminal 2
3	gate
tab	main terminal 2

### ◆ 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	4	A
$I_{TSM}$	Non-repetitive peak on-state current	25	A
$T_{stg}$	Storage temperature	-45 ~ 150	
$T_j$	Operating junction temperature	110	



### ◆ 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+		10	mA
		T2+ G-		10	
		T2- G-		10	
		T2- G+		25	
$V_T$	On-state voltage	$I_T=5\text{A}$		1.7	V
$I_H$	Holding current	$I_T=0.1\text{A}; I_{GT}=20\text{mA}$		15	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	