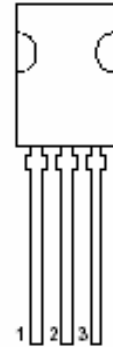


BT134-600B

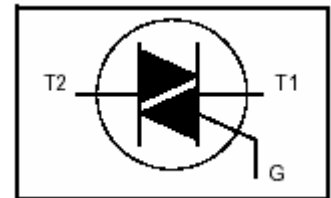
◆ Features

- With TO-126P package
- PIN DESCRIPTION
 - 1 .main terminal 1
 - 2 .main terminal 2
 3. gate
 tab. main terminal 2
- For use in applications requiring high bidirectional transient and blocking voltage capability and high thermal cycling performance. Typical applications include motor control, industrial and domestic lighting, heating and static switching.



◆ 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	2	A	
I_{TSM}	Non-repetitive peak on-state current	20	A	
P_{GM}	Peak gate power	5	W	
$P_{G(AV)}$	Average gate power	0.5	W	
T_{stg}	Storage temperature	-45~150	°C	
T_j	Operating junction temperature	110	°C	TO-126P



◆ 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+		6	mA
		T2+ G-		6	
		T2- G-		6	
		T2- G+		10	
V_T	On-state voltage	$I_T=4\text{A}$		1.7	V
I_H	Holding current	$I_T=0.1\text{A}; I_{GT}=20\text{mA}$		8	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	