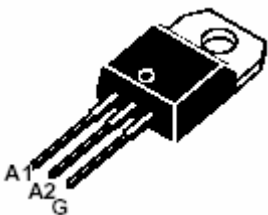


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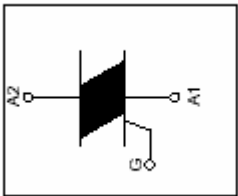
◆ Features

- With TO-220AB Insulated package
- Suitable for general purpose applications where gate high sensitivity is required ,such as phase control and static switching applications



◆ 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	6	A		
I_{TSM}	Non-repetitive peak on-state current	60	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+		...	
V_T	On-state voltage	$I_T=8.5\text{A}$		1.65	V
I_H	Holding current	$I_T=0.1\text{A}; I_{GT}=50\text{mA}$		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	