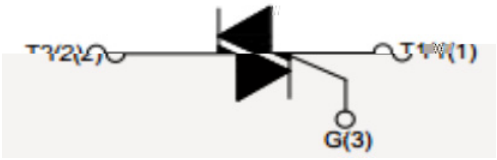
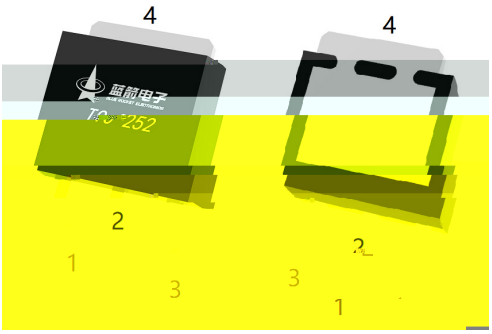
TO-252
Triac in a TO-252 Plastic Package.

Medium current triac, Low on state voltage drop,High reliability and stability,Low thermal resistance, HF Product.

Suitable for general purpose AC switching .Such as static relays,heating regulation,induction motor starting circuits,motor speed controllers,etc.





PIN1 Main Terminal 1 PIN 2 4 Main Terminal 2 PIN 3 Gate

/ Marking

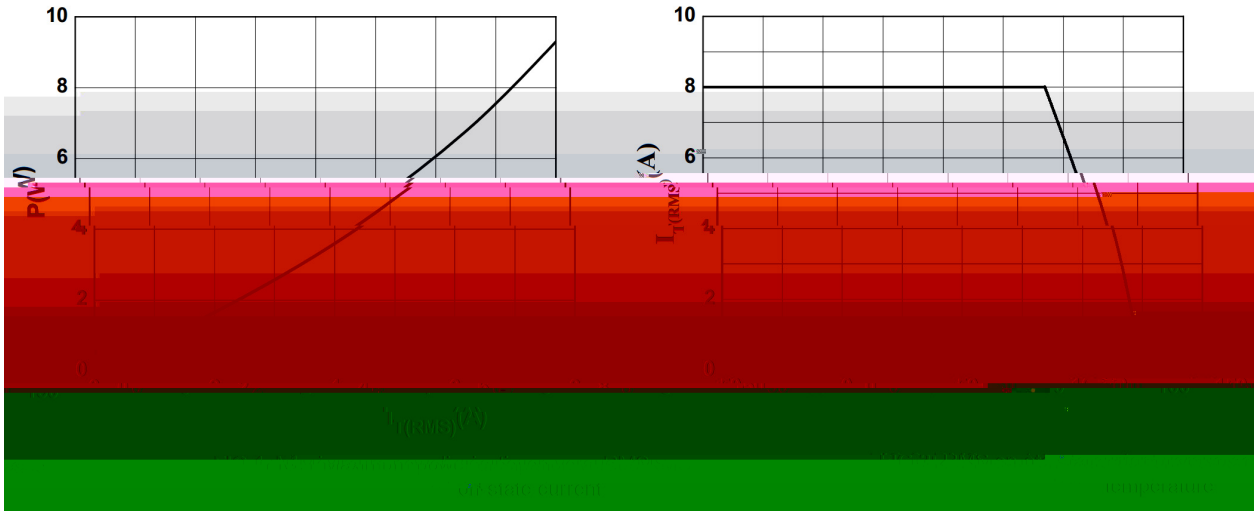
See Marking Instructions.

Parameter	Symbol	Rating	Unit
Repetitive peak off-state/reverse voltages(T_j=125)	V_{DRM}/V_{RRM}	800	V
RMS on-state current(T_C=110)	$I_{T(RMS)}$	8	A
Non repetitive surge peak on-state current(full cycle, T_j=25°C)	$I_{TSM(t=20ms)}$	80	A
I^2t value for fusing(T_j=25)	$I^2t_{(tp=10ms)}$	36	A^2s
Critical rate of rise of on-state current (I_G =2I_{GT}, f=120Hz T_j=125)	dI/dt I-II-III	50	A/ s
Peak gate current(t_p =20 s T_j=125)	I_{GM}	4.0	A
Average gate power dissipation(T_j=125)	$P_{G(AV)}$	1	W
Operating junction temperature range	T_j	-40 125	
Storage junction temperature range	T_{stg}	-40 150	
Junction to ambient(AC)	$R_{th(j-a)}$	100	/W
Junction to case for(AC)	$R_{th(j-c)}$	3.1	

Symbol	Test Conditions	Quadrant	Value		Unit
I_{GT}	V_D=12V R_L=30	I-II-III	Max.	35	mA
V_{GT}	V_D=12V R_L=30	I-II-III	Max.	1.3	V
V_{GD}	V_D=V_{DRM} R_L=3.3K T_j=125	I-II-III	Min.	0.2	V
I_L	I_G=1.2I_{GT}	I-III	Max.	50	mA
		II		60	
I_H	I_T=100mA		Max.	35	mA
(dV/dt)	V_D=67% V_{DRM} Gate Open	Tj=125	Min.	400	V/ s

V_{TM61} .50 T(Gate)Tj-6.1968 -1.9 Tmt3A9 3.942.1(1(Ma47998t8803 Tm(D)Tj10.4958 034 29TM)Tj10.495Tm-.0003 Tc.0026 Tw(Peak gate c0.4958 T(Gate)Tj-67.01

/ Electrical Characteristic Curve



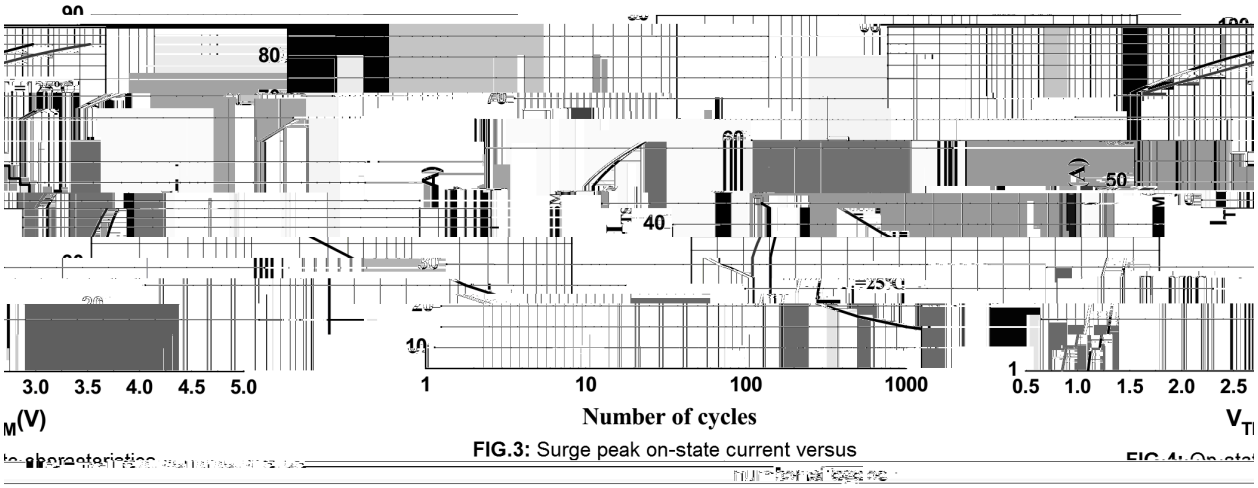
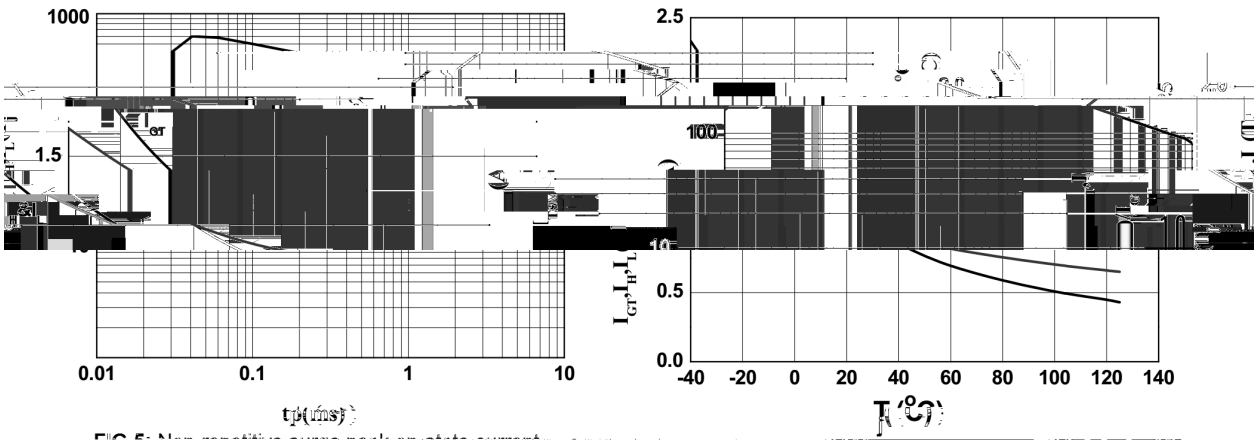
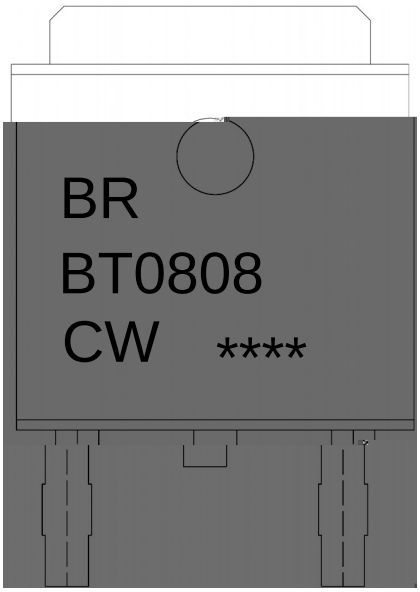


FIG.3: Surge peak on-state current versus



/ Package Dimensions

/ Marking Instructions



BR

BT0808

CW I_{GT}

****

Note:

BR:	Company Code
BT0808:	Product Type Code
CW:	I_{GT} Bracket Code
****:	Lot No. Code, code change with Lot No