

General Description

Glass passivated triacs in a plastic envelope, intended for use in applications requiring high bidirectional transient andblocking voltage capability and high thermal cycling performance.

Typical applications include motor control, industrial and domestic lighting , heating and static switching.



Package Marking and Ordering Information

Product ID	Pack	Marking	Qty(PCS)
BT136S-600E	TO-252-2L (TO-252-2(DPAK))	BT136S	2500



Maximum Ratings (Ta=25 unless otherwise noted)

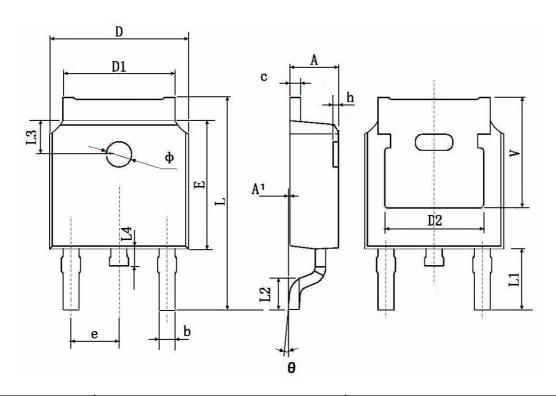
symbol	parameter			value	unit
I _{T(RMS)}	RMS on-state current (full sine wave)	D ² PAK/TO-220	T _C =107℃	3	Α
	t=2		t=20ms	25	
I _{TSM}	Non repetitive surge peak on-state current (full sine wave, Tj =25°C)			27	Α
I _{GM}	Peak gate current				Α
$P_{G(AV)}$	Average gate power dissipation			0.5	W
T _{stg}	Storage junction temperature range			-40 to +150	°C
Tj	Operating junction temperature range			-40 to +125	

Electrical Characteristics(Ta=25 unless otherwise specified)

Parameter		Symbol	Test cor	nditions	Min	Max	Unit
Rated repetitive peak off-state/reverse voltage		V_{DRM}, V_{RRM}	I _D =10μA		600		V
Rated repetitive peak off-state current		I _{DRM} , I _{RRM}	V _D =620V			10	μΑ
On-state voltage		V_{TM}	I _T =5A			1.7	>
	Ι	I _{GT}	T ₂ (+), G(+)	V _D =12V R _L =100Ω		10	mA
Gate trigger current	II		T ₂ (+), G(-)			10	mA
Gate trigger current	III		T ₂ (-), G(-)			10	mA
	IV		T ₂ (-), G(+)			ı	mA
	I	- V _{GT}	T ₂ (+), G(+)	V _D =12V R _L =100Ω		1.45	٧
Gata trigger voltage	II		T ₂ (+), G(-)			1.45	V
Gate trigger voltage	III		T ₂ (-), G(-)			1.45	V
	IV		T ₂ (-), G(+)			-	V
Holding current		I _H	I _T =100mA I _G =20mA			20	mA



TO-252-2L(TO-252-2(DPAK)) Package Information



Symbol	Dimensions	In Millimeters	Dimensions In Inches		
	Min.	Max.	Min.	Max.	
Α	2.200	2.400	0.087	0.094	
A1	0.000	0.127	0.000	0.005	
b	0.660	0.860	0.026	0.034	
С	0.460	0.580	0.018	0.023	
D	6.500	6.700	0.256	0.264	
D1	5.100	5.460	0.201	0.215	
D2	0.483 TYP.		0.190 TYP.		
Е	6.000	6.200	0.236	0.244	
е	2.186	2.386	0.086	0.094	
L	9.800	10.400	0.386	0.409	
L1	2.900 TYP.		0.114 TYP.		
L2	1.400	1.700	0.055	0.067	
L3	1.600 TYP.		0.063 TYP.		
L4	0.600	1.000	0.024	0.039	
Ф	1.100	1.300	0.043	0.051	
θ	0°	8°	0°	8°	
h	0.000	0.300	0.000	0.012	
V	5.350 TYP.		0.211 TYP.		



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