

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.

1. ANODE

2. ANODE

3. GATE



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

Package Marking and Ordering Information

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



Maxmim Ratings (Ta=25 unless otherwise noted)

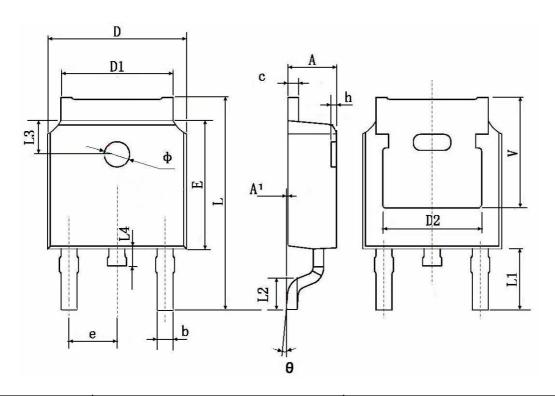
symbol	parameter				unit	
I _{T(RMS)}	RMS on-state current (full sine wave)	D ² PAK/TO-220	T _C =107°C	3	Α	
	No. 2016	. ((II :		25		
I _{TSM}	Non repetitive surge peak on-state current (full sine wave, Tj =25°C)			27	Α	
I _{GM}	Peak gate current				Α	
$P_{G(AV)}$	Average gate power dissipation T			0.5	W	
T _{stg}	Storage junction temperature range				°C	
T _j	Operating junction temperature range					

Electrcal Charcteristics (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	μA
On-state voltage		V_{TM}	I _T =5A			1.7	V
	Ι	- I _{GT}	T ₂ (+), G(+)	V _D =12V R _L =100Ω		10	mA
Cata triagar aurrant	II		T ₂ (+), G(-)			10	mA
Gate trigger current	III		T ₂ (-), G(-)			10	mA
	IV		T ₂ (-), G(+)			-	mA
	I	- V _{GT}	T ₂ (+), G(+)	V _D =12V R _L =100Ω		1.45	V
Cata triagar valtaga	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	n Millimeters	Dimensions In Inches		
	Min.	Max.	Min.	Max.	
А	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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