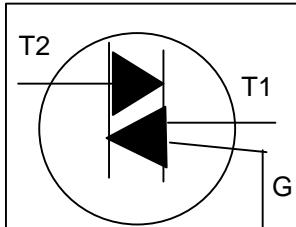
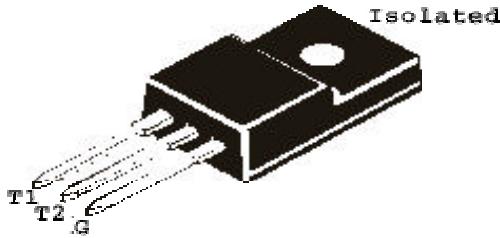


## TRIAC



## BT136X-600E

**TO-220FP Fully Isolated Plastic Package**

**For use in high bidirectional transient and blocking voltage applications, and for high thermal cycling performance. Typical Applications include Motor Control, Industrial and Domestic Lighting, Heating and Static Switching.**

### ABSOLUTE MAXIMUM RATINGS

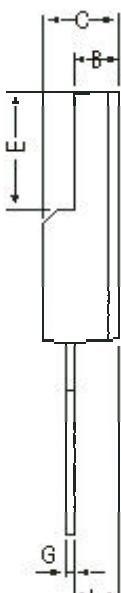
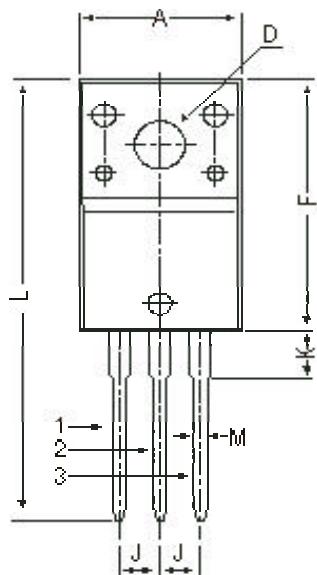
PARAMETER	SYMBOL	VALUE	UNIT
Repetitive Peak Off State Voltage	$V_{DRM}$	600	V
RMS on State Current	$I_T$ (RMS)	4.0	A
Non Repetitive Peak on State Current	$I_{TSM}$	25	A
$I^2t$ for Fusing	$I^2t$	3.1	$A^2s$
Repetitive Rate of Rise of On State Current After Triggering	$dI_T/dt$	50	$A/\mu s$
Peak Gate Current	$I_{GM}$	2.0	A
Peak Gate Power	$P_{GM}$	5.0	W
Average Gate Power	$P_G$ (AV)	0.5	W
Storage Temperature	$T_{stg}$	- 40 to 150	°C
Operating Junction Temperature	$T_j$	125	°C

### ELECTRICAL CHARACTERISTICS ( $T_j=25^\circ C$ unless specified otherwise)

PARAMETER	SYMBOL	TEST CONDITION	MIN	MAX	UNIT
Gate Trigger Current	$I_{GT}$	$V_D=12V, I_T=0.1A$	I	10	mA
			II	10	mA
			III	10	mA
			IV	25	mA
Holding Current	$I_H$	$V_D=12V, I_{GT}=0.1A$		20	mA
Gate Trigger Voltage	$V_{GT}$	$V_D=12V, I_T=0.1A$		1.5	V
On State Voltage	$V_T$	$I_T=5A$		1.7	V
Off State Leakage Current	$I_D$	$V_{DRM}=600V$		0.5	mA

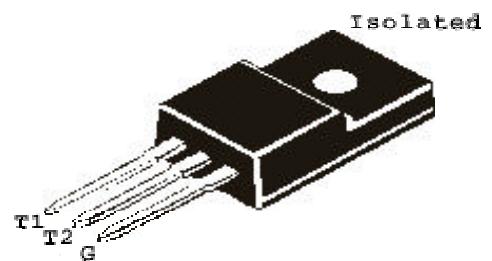
## TO-220FP Fully Isolated Plastic Package

## TO-220FP Fully Isolated Plastic Package

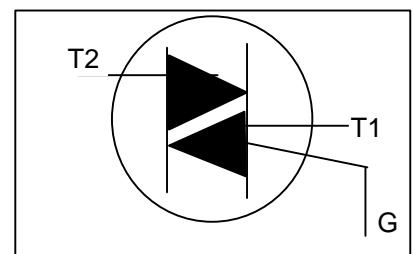


DIM	MIN	MAX
A	9.96	10.36
B	2.60	3.00
C	4.50	4.90
D	3.10	3.30
E	7.90	8.20
F	16.87	17.27
G	0.45	0.50
H	2.56	2.96
J	2.34	2.74
K	—	3.08
L	—	30.06
M	—	0.80

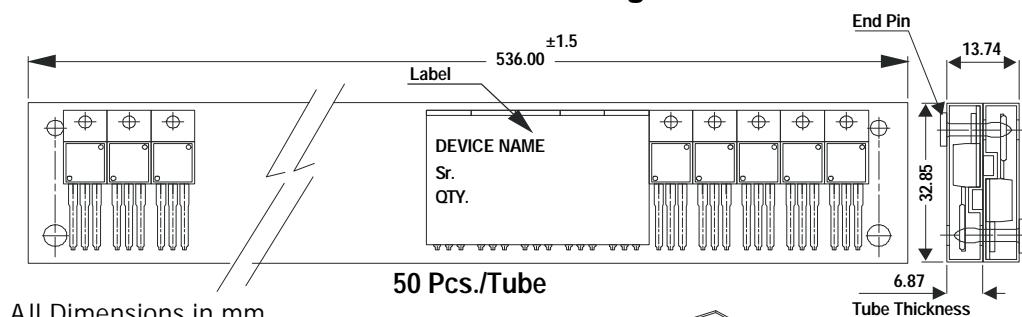
All dimensions in mm.



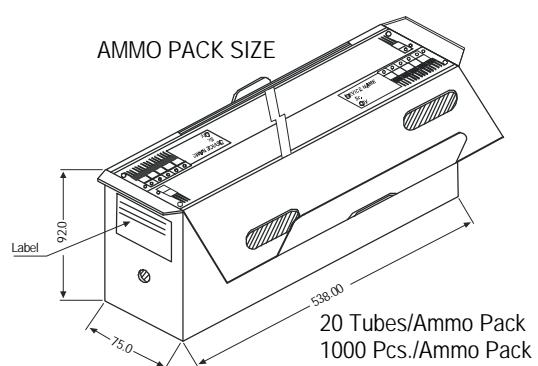
Pin Configuration  
 1. Main Terminal 1  
 2. Main Terminal 2  
 3. Gate  
 Case Isolated



## TO-220 Tube Packing



All Dimensions in mm



## Packing Detail

PACKAGE	STANDARD PACK		INNER CARTON BOX		OUTER CARTON BOX		
	Details	Net Weight/Qty	Size	Qty	Size	Qty	Gr Wt
TO-220FP	200 pcs/polybag 50 pcs/tube	396 gm/200 pcs 120 gm/50 pcs	3" x 7.5" x 7.5" 3.5" x 3.7" x 21.5"	1.0K 1.0K	17" x 15" x 13.5" 19" x 19" x 19"	16.0K 10.0K	36 kgs 29 kgs

**Disclaimer**

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