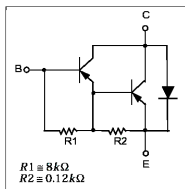


Rev. H Oct.-2018

TO-220 PNP Silicon PNP transistor in a TO-220 Plastic Package.

TIP122
Complement to TIP122.

Medium power linear switching applications.

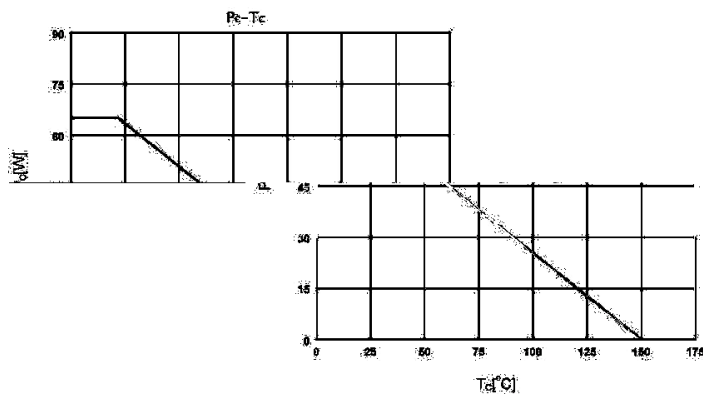
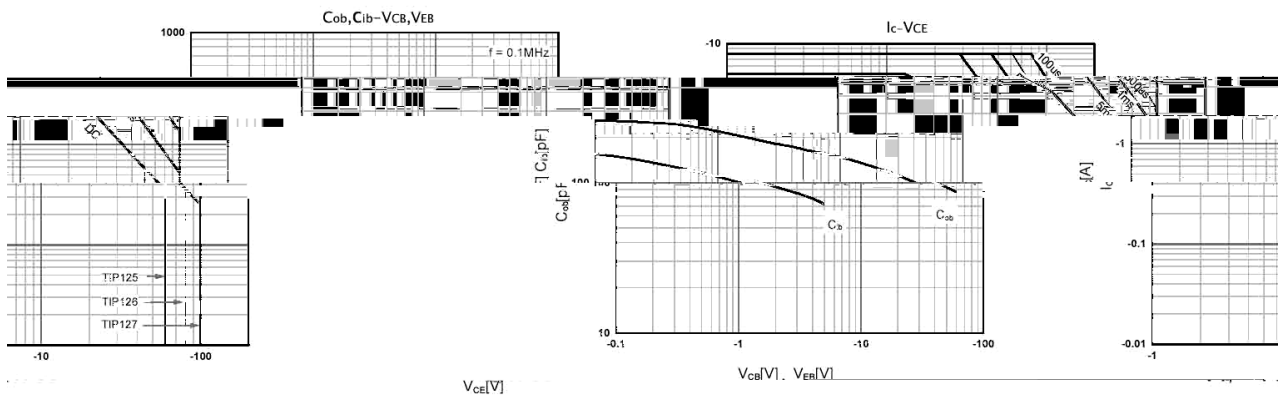
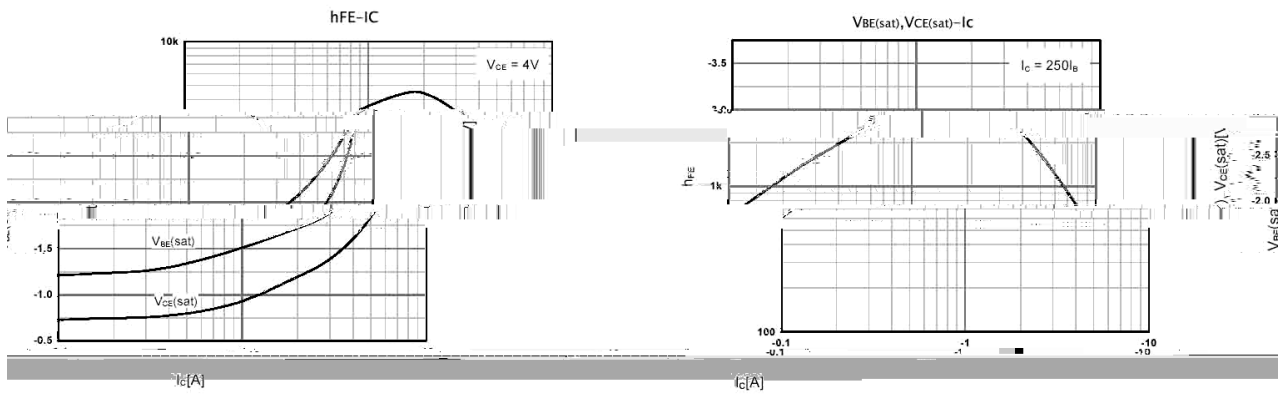


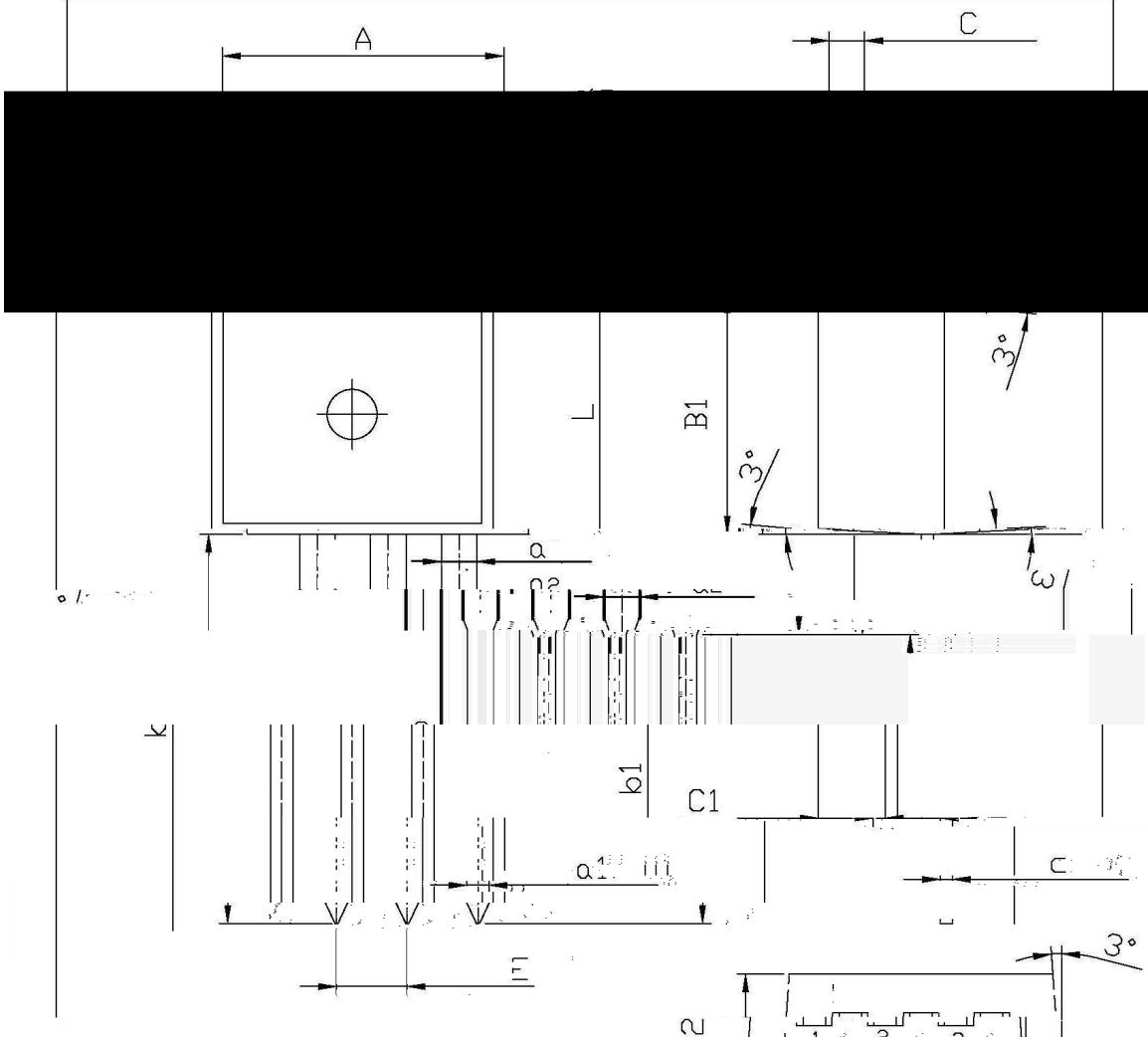
PIN1 Base PIN 2 Collector PIN 3 Emitter

See Marking Instructions.

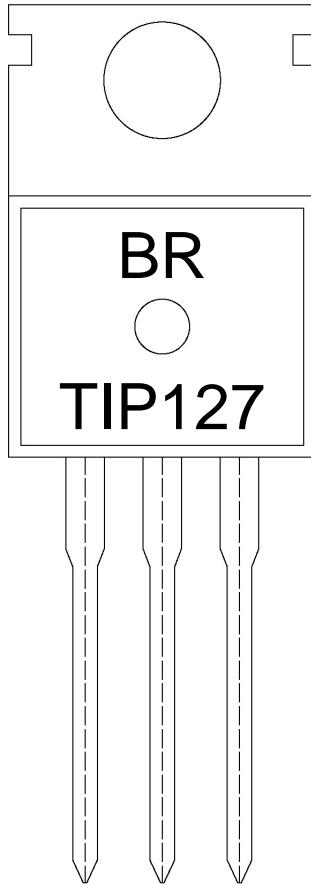
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-100	V
Collector to Emitter Voltage	V_{CEO}	-100	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-5.0	A
Peak Collector Current	I_{CP}	-8.0	A
Base Current - Continuous	I_B	-120	mA
Collector Power Dissipation	P_C	2.0	W
	$P_C(T_C=25^\circ\text{C})$	65	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55~150	

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=-100\text{mA}$ $I_B=0$	-100			V
Collector Cut-Off Current	I_{CEO}	$V_{CE}=-50\text{V}$ $I_B=0$			-2.0	mA
Collector Cut-Off Current	I_{CBO}	$V_{CB}=-100\text{V}$ $I_E=0$			-1.0	mA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=-5.0\text{V}$ $I_C=0$			-2.0	mA
DC Current Gain	$h_{FE(1)}$	$V_{CE}=-3.0\text{V}$ $I_C=-0.5\text{A}$	1000			
	$h_{FE(2)}$	$V_{CE}=-3.0\text{V}$ $I_C=-3.0\text{A}$	1000			
Collector to Emitter Saturation Voltage	$V_{CE(sat)(1)}$	$I_C=-3.0\text{A}$ $I_B=-12\text{mA}$			-2.0	V
	$V_{CE(sat)(2)}$	$I_C=-5.0\text{A}$ $I_B=-20\text{mA}$			-4.0	V
Base to Emitter Voltage	V_{BE}	$I_C=-3.0\text{A}$ $V_{CE}=-3.0\text{V}$			-2.5	V
Collector output capacitance	C_{ob}	$V_{CB}=-10\text{V}$ $I_E=0$ $f=0.1\text{MHz}$			300	pF





Symbol	Dimensions in Millimeters		Symbol	Dimensions in Millimeters	
	Min	Max		Min	Max
A	9.8	10.2	C	1.2	1.4
B	3.56	3.64	B1	6.3	6.7
9.4			15.7	16.1	9.0
C1	2.2	2.6	b1	12.6	13.6
a1	0.7	0.9	a	1.22	1.32
C	0.4	0.6		1.37	1.71
0.45			a2	1.25	1.1



BR

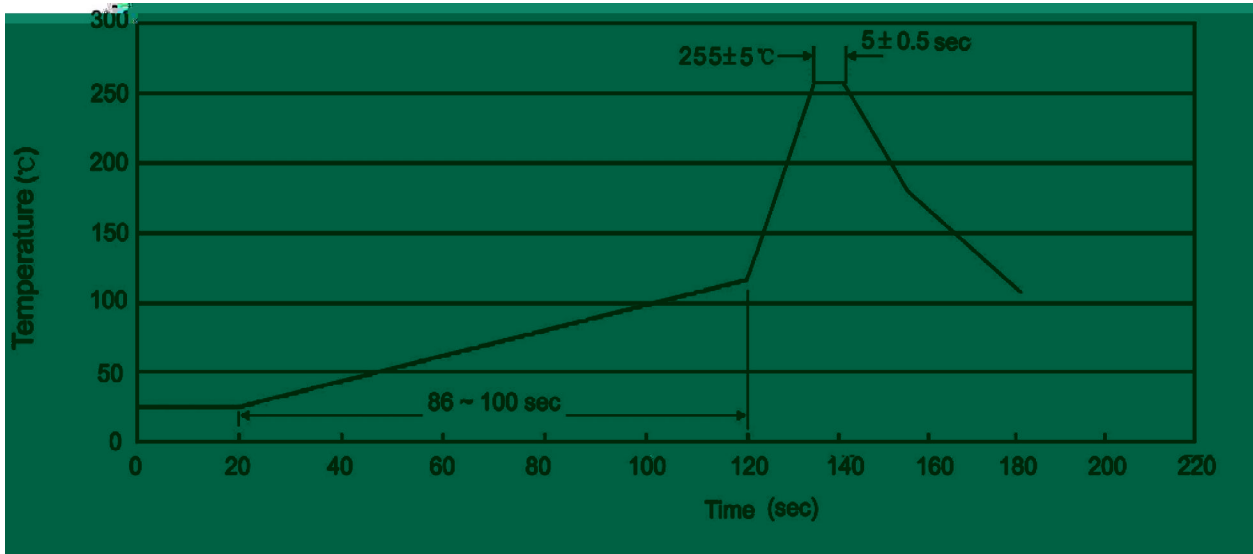
TIP127

Note:

BR: Company Code

TIP127: Product Type.

****: Lot No. Code, code change with Lot No.



Note:

- 1 25 150 60 90sec;
- 2 255±5 5±0.5sec;
- 3 2 10 /sec.

1. Preheating: 25~150 , Time: 60~90sec.
2. Peak Temp.: 255±5 , Duration: 5±0.5sec.
3. Cooling Speed: 2~10 /sec.

270±5

10±1 sec.

Temp.: 270±5

Time: 10±1 sec

/ BULK

Package Type	Units				Dimension (unit mm ³)		

/ TUBE

Package Type	Units				Dimension (unit mm ³)		