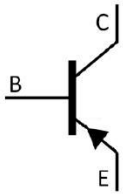
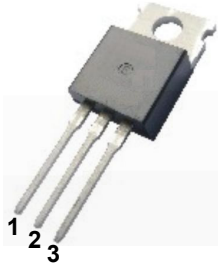


/ Descriptions

TO-220 PNP

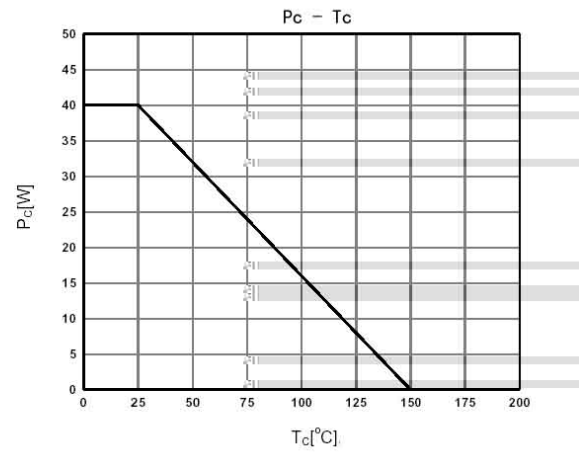
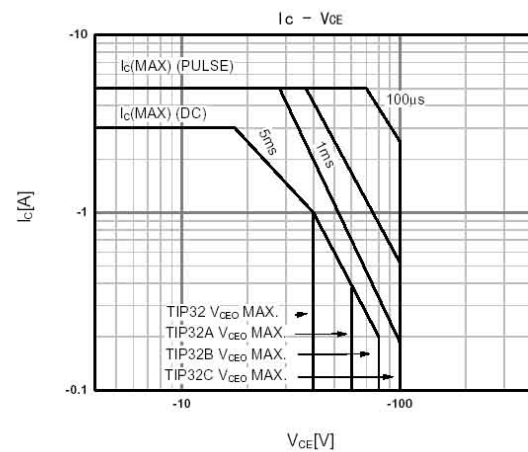
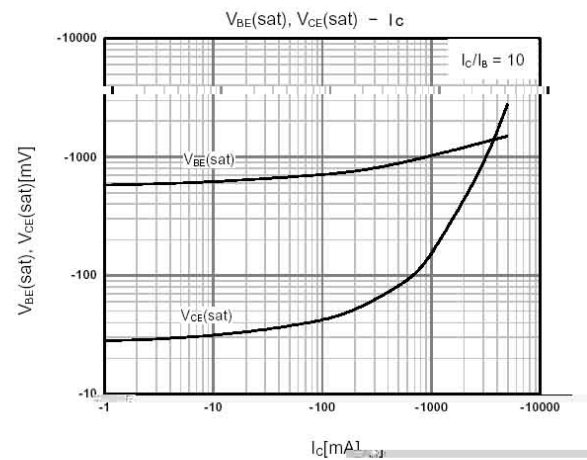
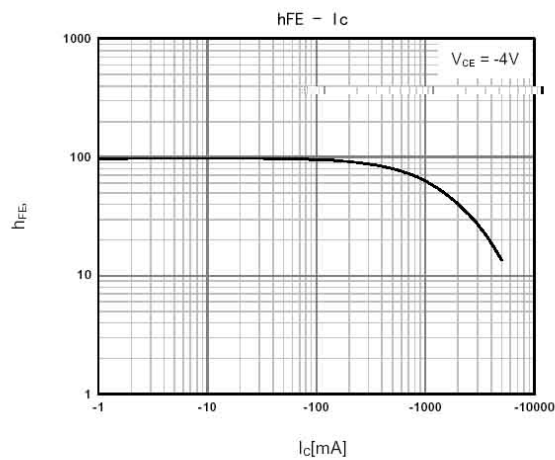
/ Features

TIP31

/ Applications**/ Equivalent Circuit****/ Pinning****/ h_{FE} Classifications & Marking**

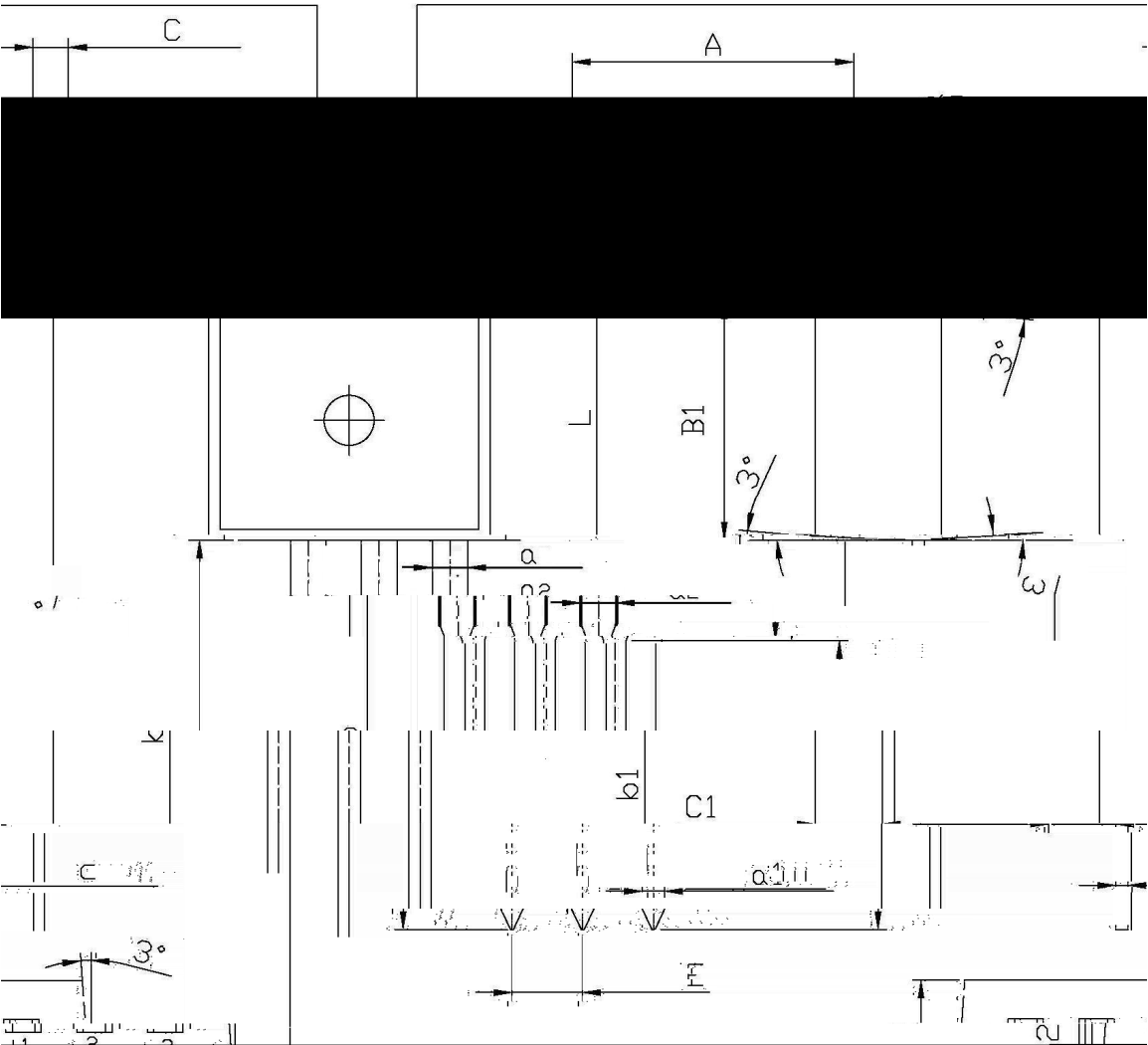
	℃					
						℃
		~				℃

/ Electrical Characteristic Curve



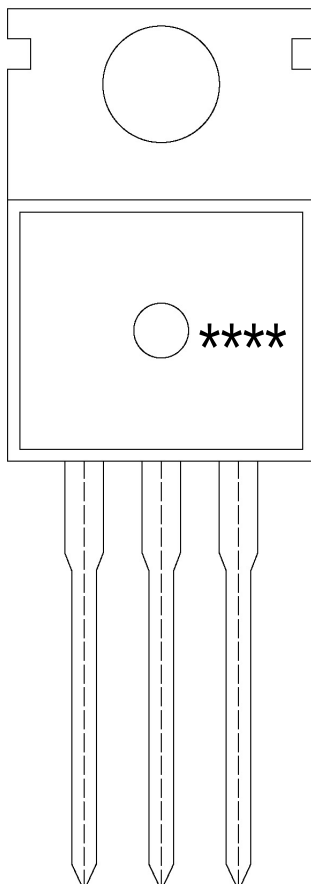
/ Package Dimensions

单位: mm TO-220 单



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	10.2	12.7	C	1.27	1.27
B1	9.0	9.4	B	0.64	0.64
a	15.7	16.1	b1	1.22	1.32
C1	0.4	0.6	E	0.2	0.25
E	0.4	0.6			

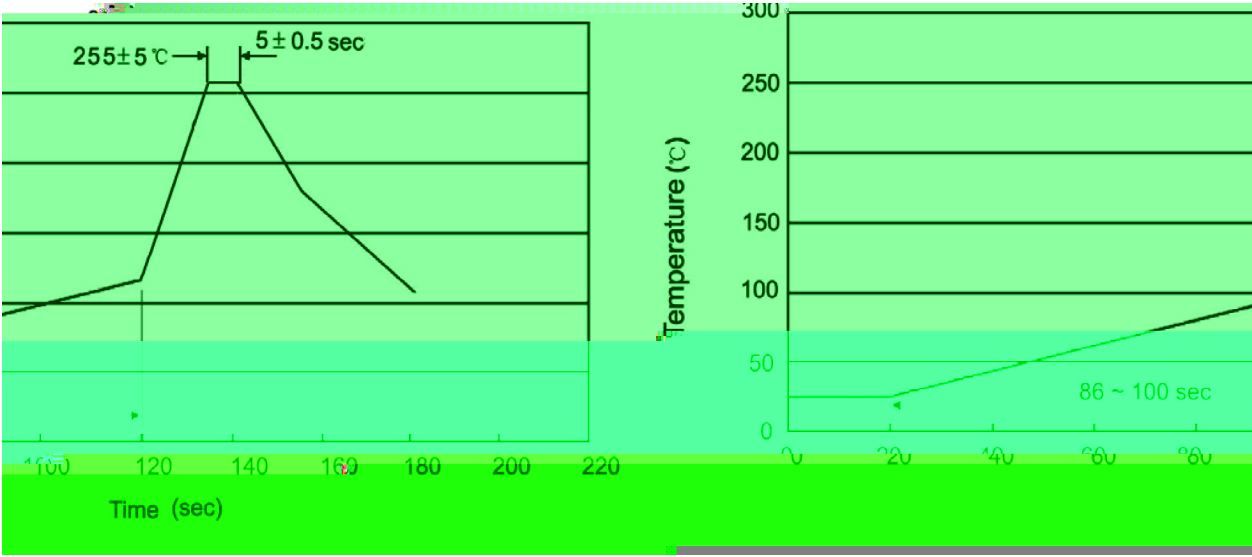
/ Marking Instructions



BR

TIP32

() / Temperature Profile for Dip Soldering(Pb-Free)



± ± ± ±

/ Resistance to Soldering Heat Test Conditions

± ± °C

/ Packaging SPEC.

封装形式	包装数量					包装尺寸		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

封装形式	包装数量					包装尺寸		
	Units/Tube 只/套管	Tubes/Inner Box 套管/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Tube 套管	Inner Box 盒	Outer Box 箱
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180

/ Notices