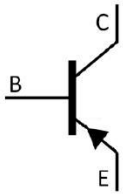
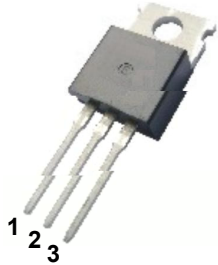


/ Descriptions

TO-220 PNP

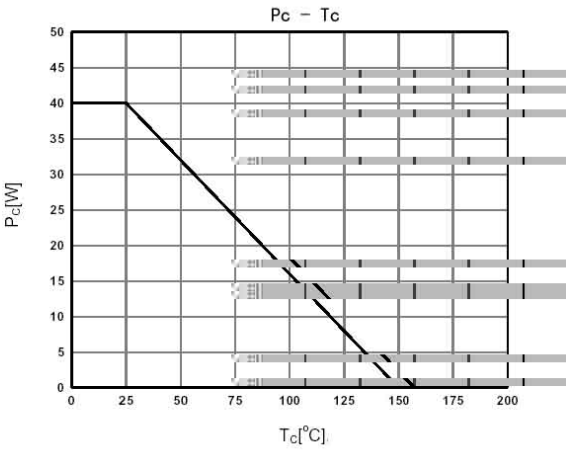
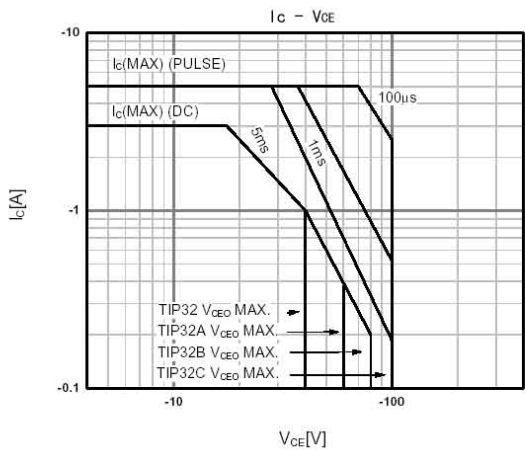
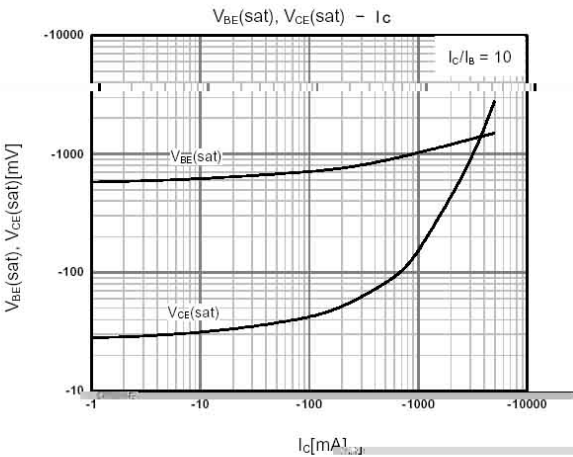
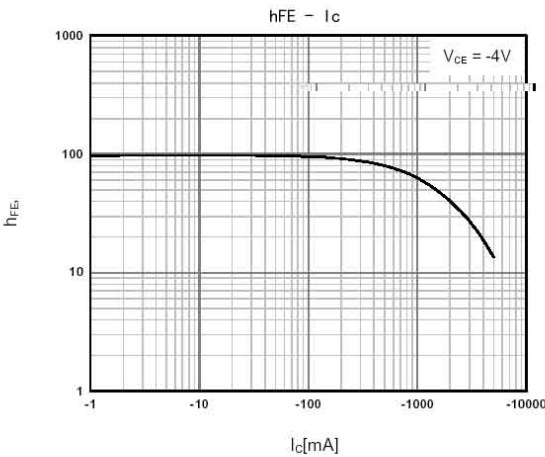
/ Features

TIP31

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

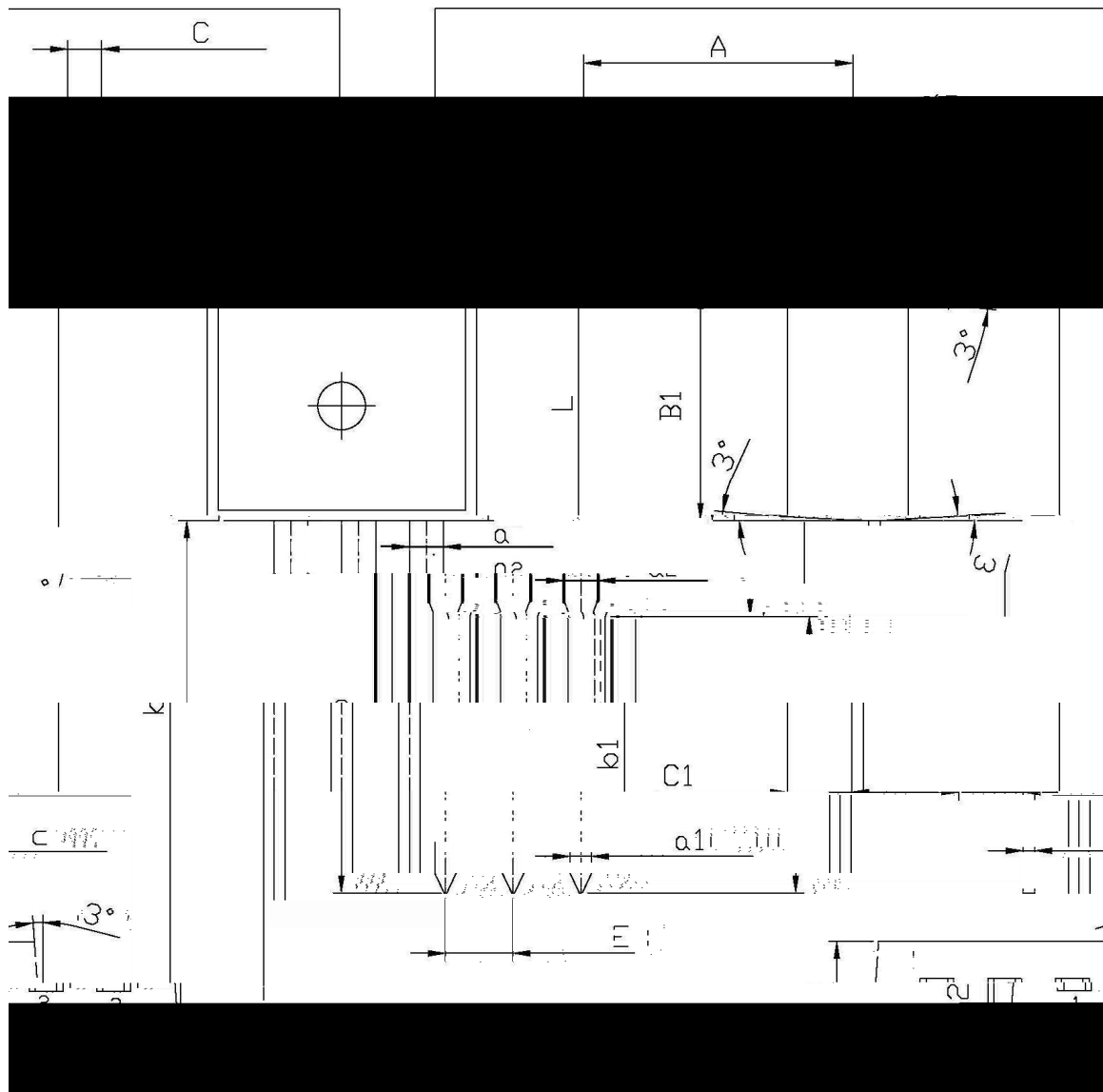
	℃					
						℃
		~				℃

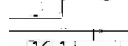
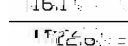
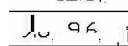
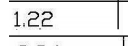
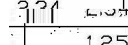
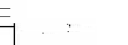
/ Electrical Characteristic Curve



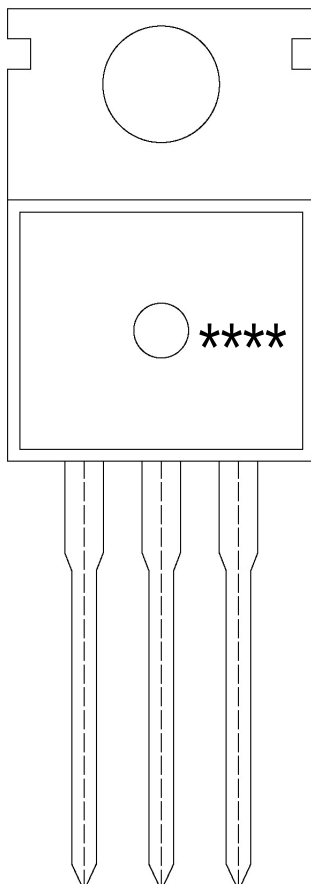
/ Package Dimensions

单位: mm TO-220 E



Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
	9.8	10.2		1.2	1.4
	3.56	3.64		6.3	6.7
	9.0	9.4		15.7	
	1.06	1.22		0.6	
	1.06	1.22		0.9	
	0.4	0.6		0.2	
	1.25	1.45			

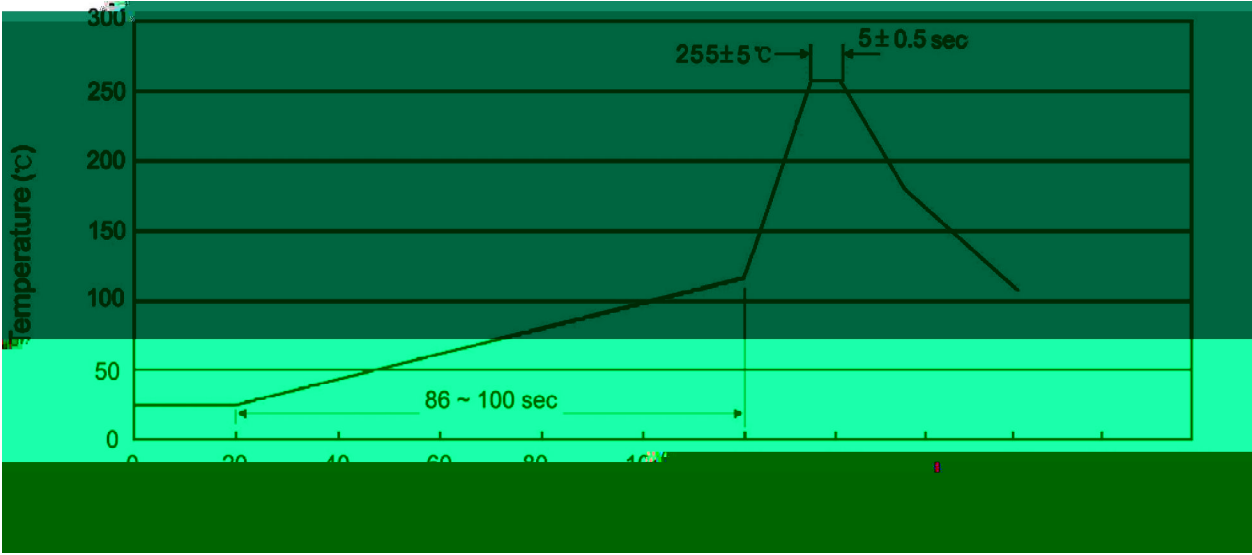
/ Marking Instructions



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