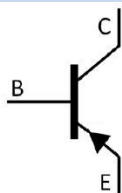
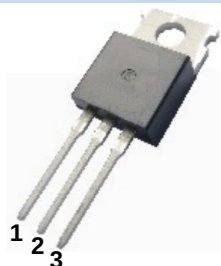


/ Descriptions

TO-220 PNP

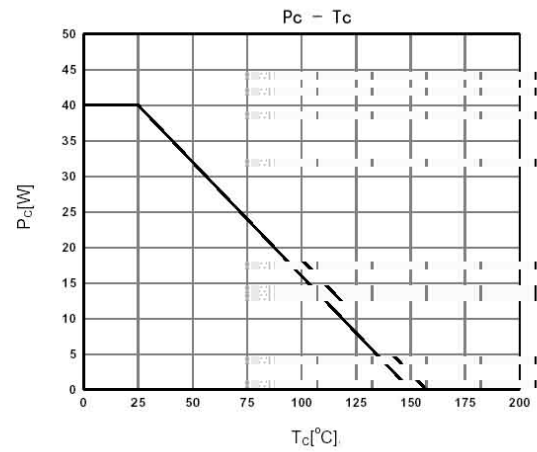
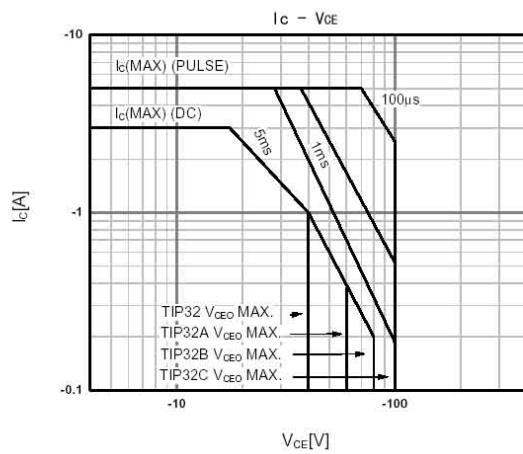
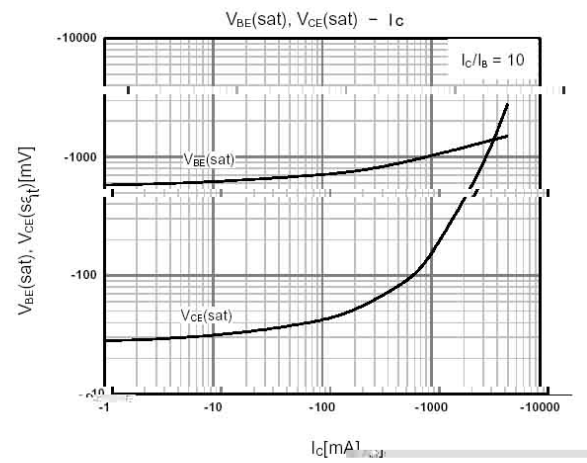
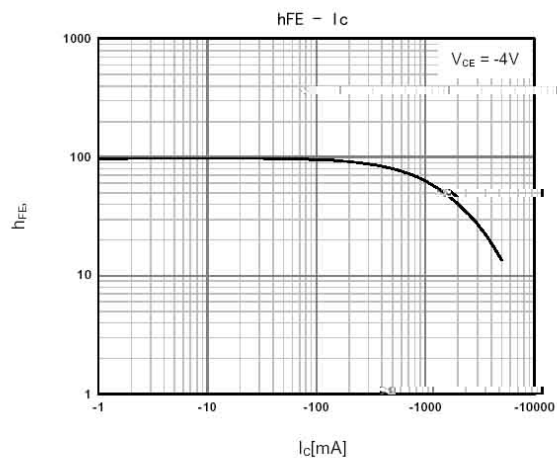
/ Features

TIP31

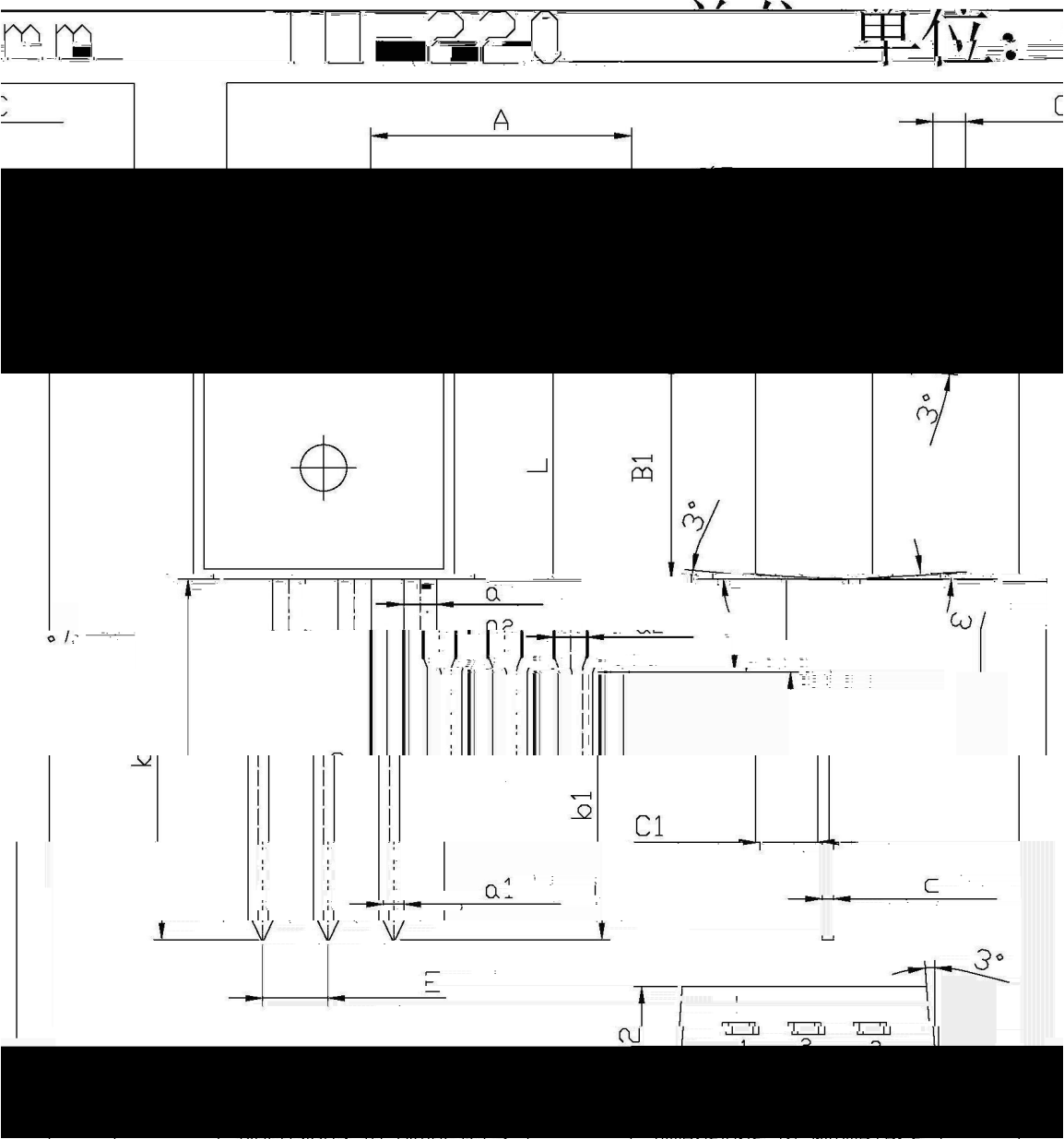
/ Applications**/ Equivalent Circuit****/ Pinning****/ h_{FE} Classifications & Marking**

	℃					
						℃
		~				℃

/ Electrical Characteristic Curve

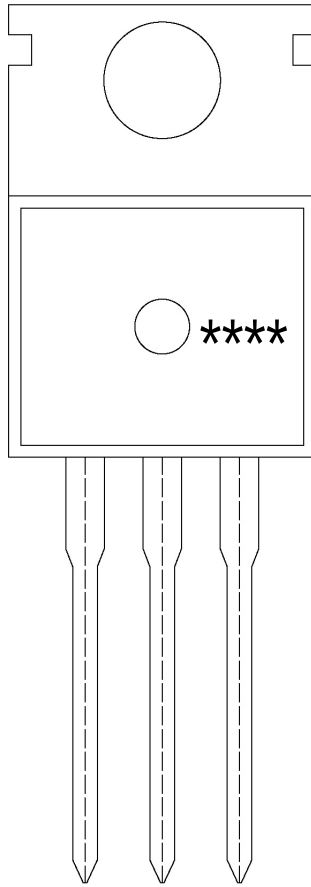


/ Package Dimensions



Symbol	Dimensions in Millimeters		Symbol	Dimensions in Millimeters		
	Min	Max		Min	Max	
	9.0	9.8		10.2	12.0	1.4
	3.56	3.64		6.3	6.7	
	9.0	9.4		15.7	16.1	
	10.6	11.0		0.6	0.7	0.5
	0.4	0.5		0.2	0.25	0.2

/ Marking Instructions



BR

TIP32

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

