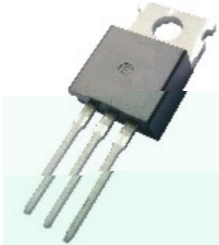
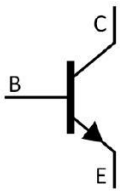


TIP31

WR0553

QSQ

WLS65



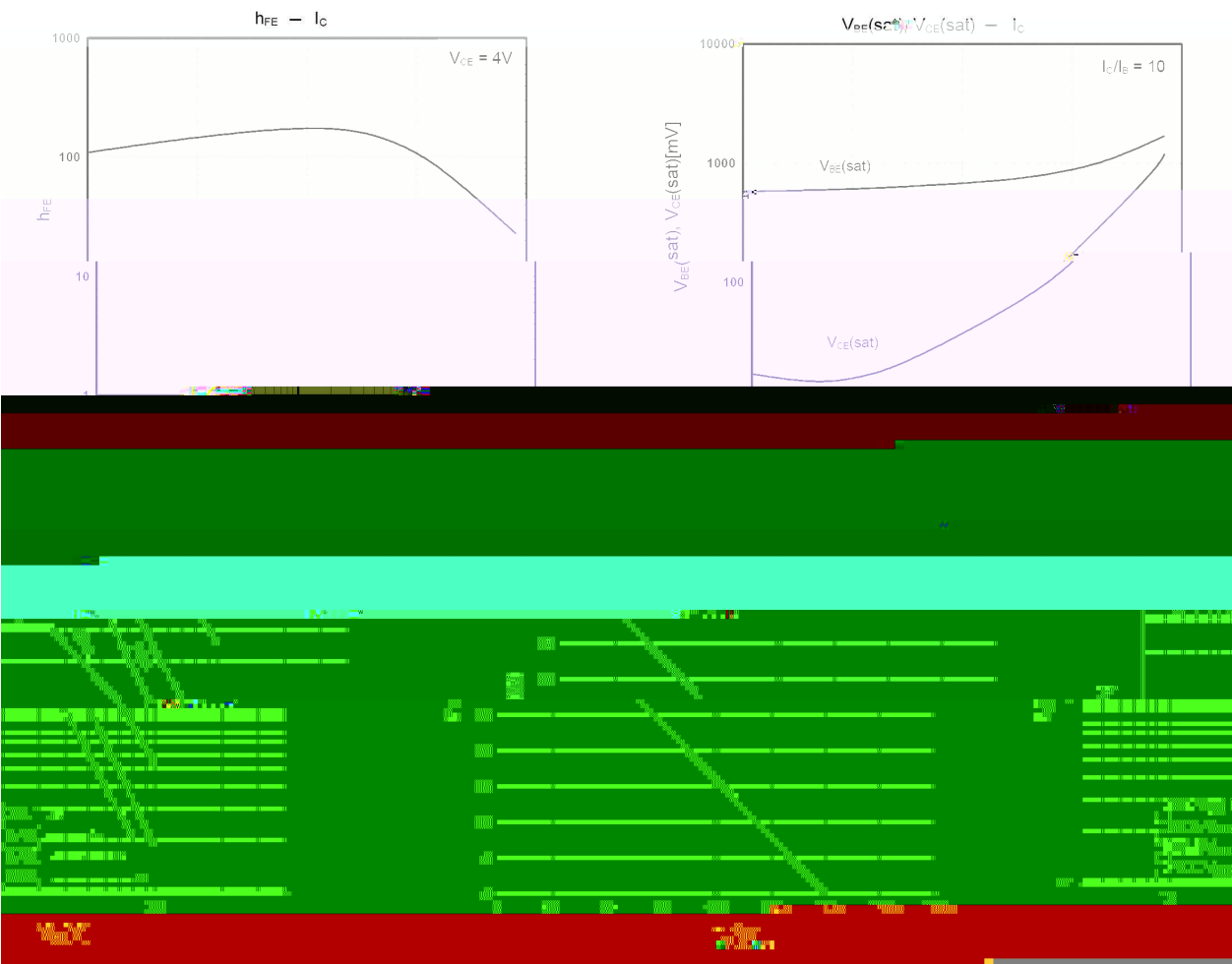
/ h_{FE} Classifications & Marking

/ Absolute Maximum Ratings(Ta=25)

/ Electrical Characteristics(Ta=25)

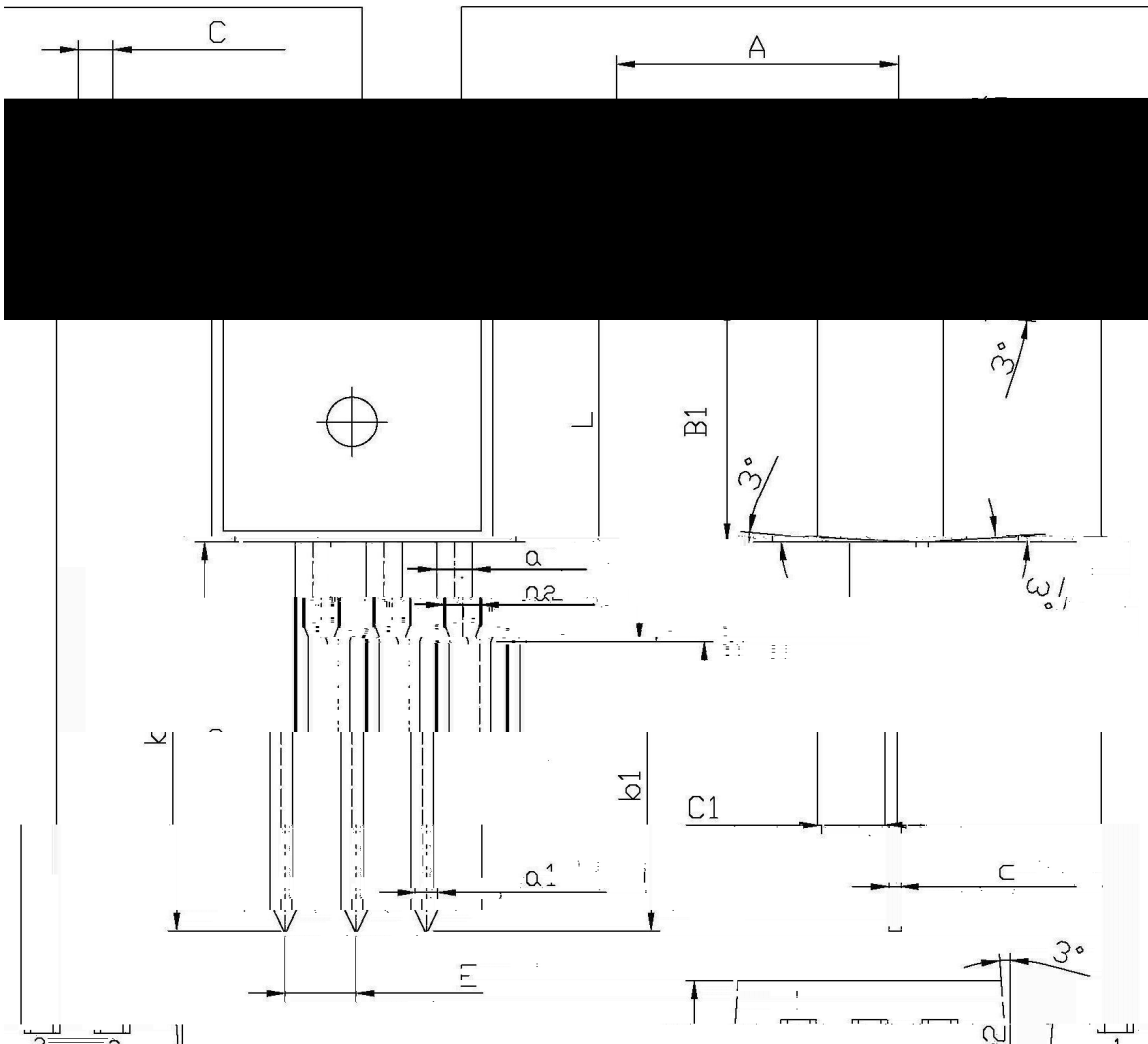
						μ

/ Electrical Characteristic Curve



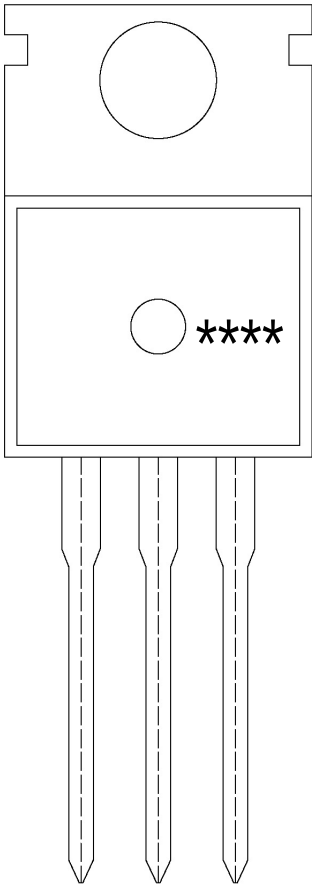
/ Package Dimensions

单位: mm TO-220

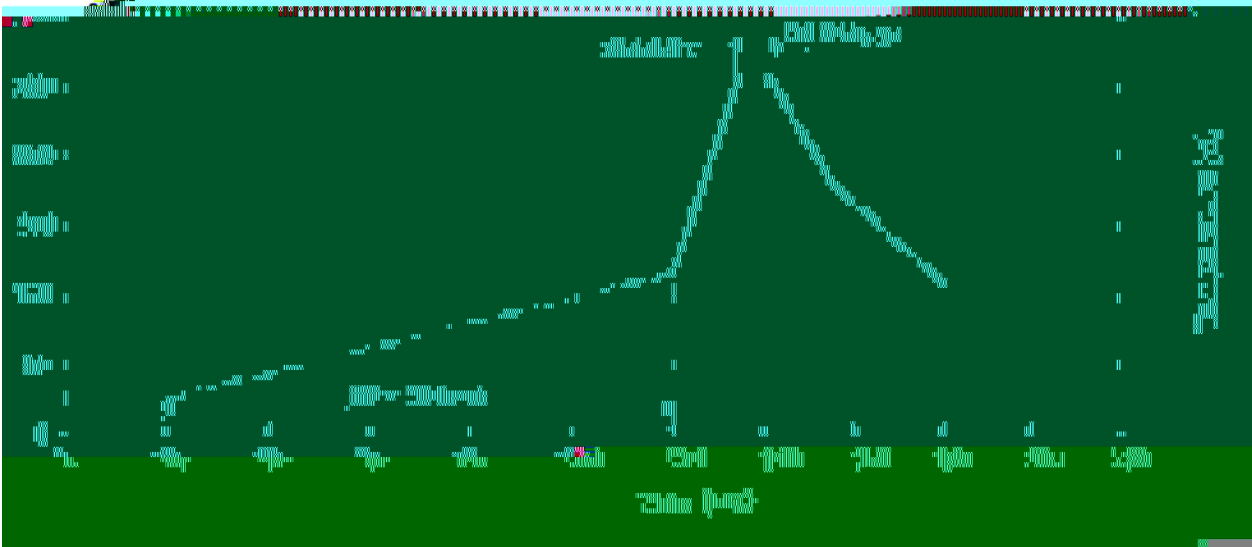


Dimensions in Millimeters			Dimensions in Millimeters		
Symbol	Min	Max	Symbol	Min	Max
A	9.8	10.2	C	1.2	1.4
B	3.56	3.64	B1	6.3	6.7
B1	9.0	9.4	C1	1.2	1.4
C	0.4	0.6	a	1.22	
C2	4.3	4.7	E	2.34	
			Q2	1.25	

/ Marking Instructions



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



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/ Resistance to Soldering Heat Test Conditions

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/ Packaging SPEC.

	Units/Bag /	Bags/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Bag	Inner Box	Outer Box
TO-220/F	200	10	2,000	5	10,000	135×190	237×172×102	560×245×195

	Units/Tube /	Tubes/Inner Box /	Units/Inner Box /	Inner Boxes/Outer Box /	Units/Outer Box /	Tube	Inner Box	Outer Box
TO-220/F	50	20	1,000	5	5,000	532×31.4×5.5	555×164×50	575×290×180

/ Notices