

/ Descriptions

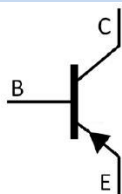
TO-220 NPN

/ Features

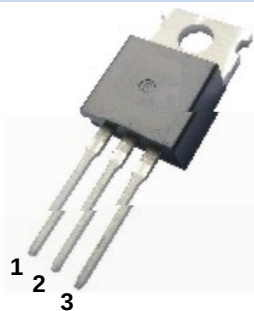
- MJE15039

/ Applications

/ Equivalent Circuit

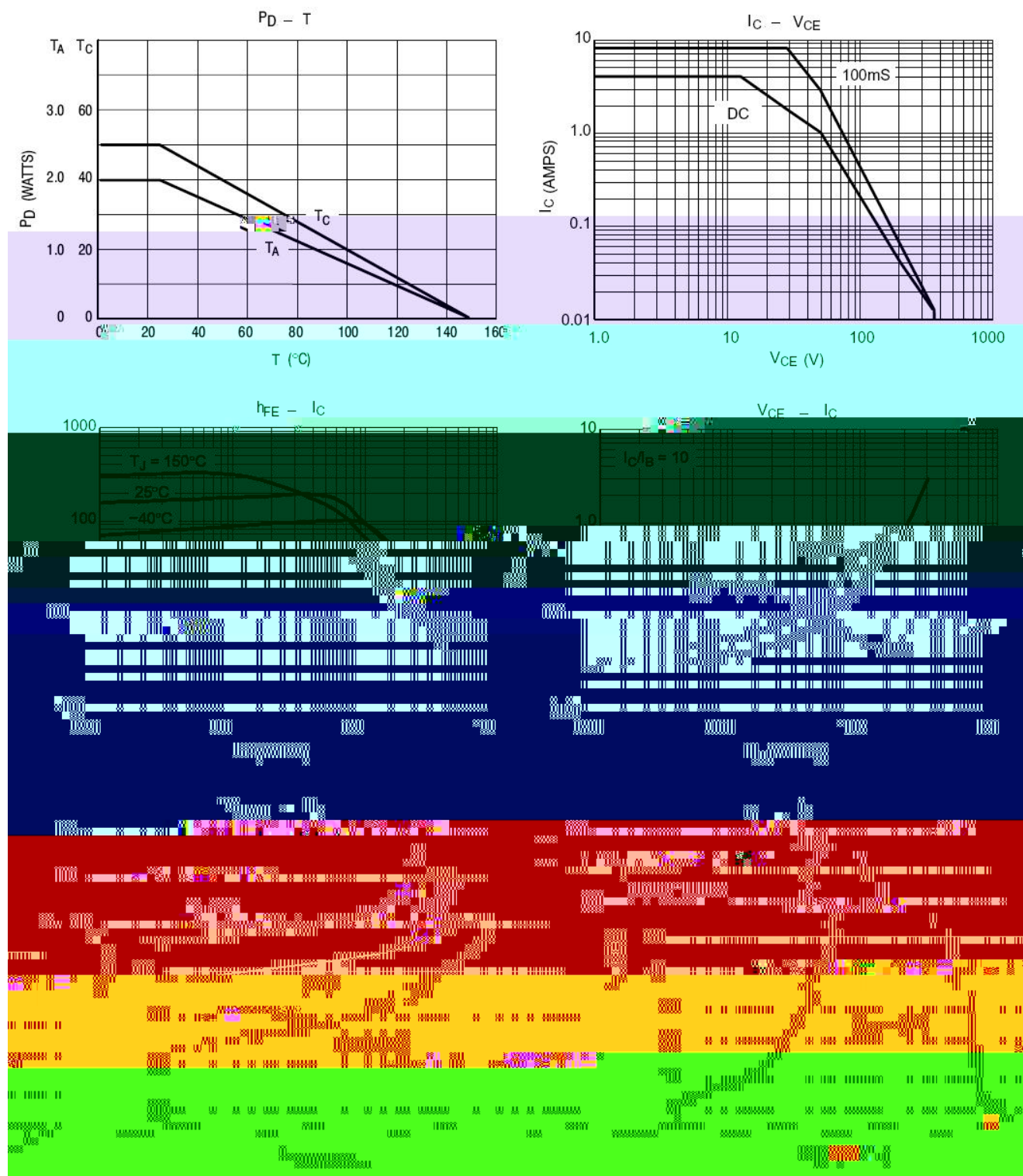


/ Pinning

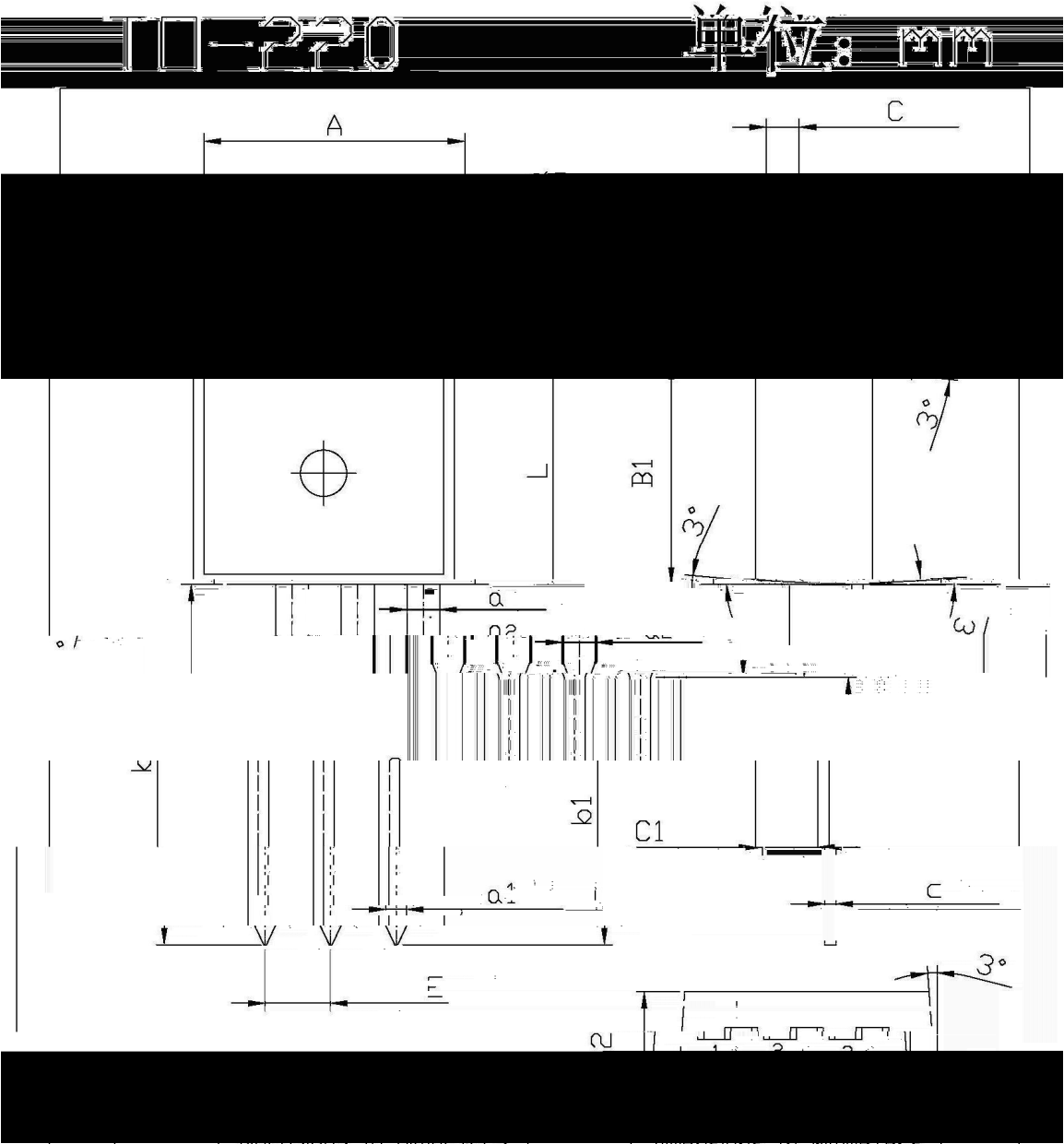


/ h_{FE} Classifications & Marking

/ Electrical Characteristic Curve

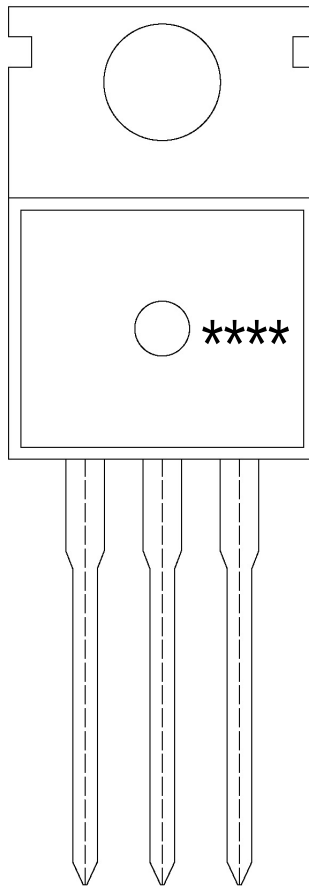


/ Package Dimensions



Symbol	Dimensions in Millimeters		Symbol	Dimensions in Millimeters	
	Min	Max		Min	Max
A	9.8	10.2	C	1.2	1.4
B1	15.7	16.1	a	1.22	1.32
b1	0.4	0.6	L	2.24	2.3
C1	0.2	1.25			1.4

/ Marking Instructions



Time (sec)	Temperature (°C)
0	25
115	115
135	255 ± 5
180	105

$$\pm \qquad \qquad \qquad \pm \qquad \qquad \qquad \pm \qquad \qquad \qquad \pm$$

$\pm$ $\pm$ $^{\circ}\text{C}$

	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

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