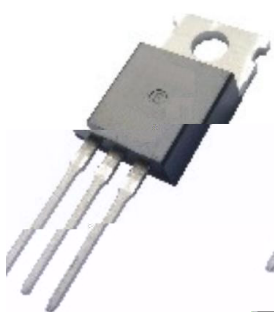
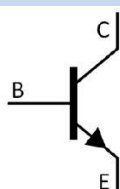


TO-220 NPN Silicon NPN transistor in a TO-220 Plastic Package.

, 2SB834

High DC current gain, low saturation voltage, high power dissipation, complementary to 2SB834.

Audio frequency power amplifier applications.

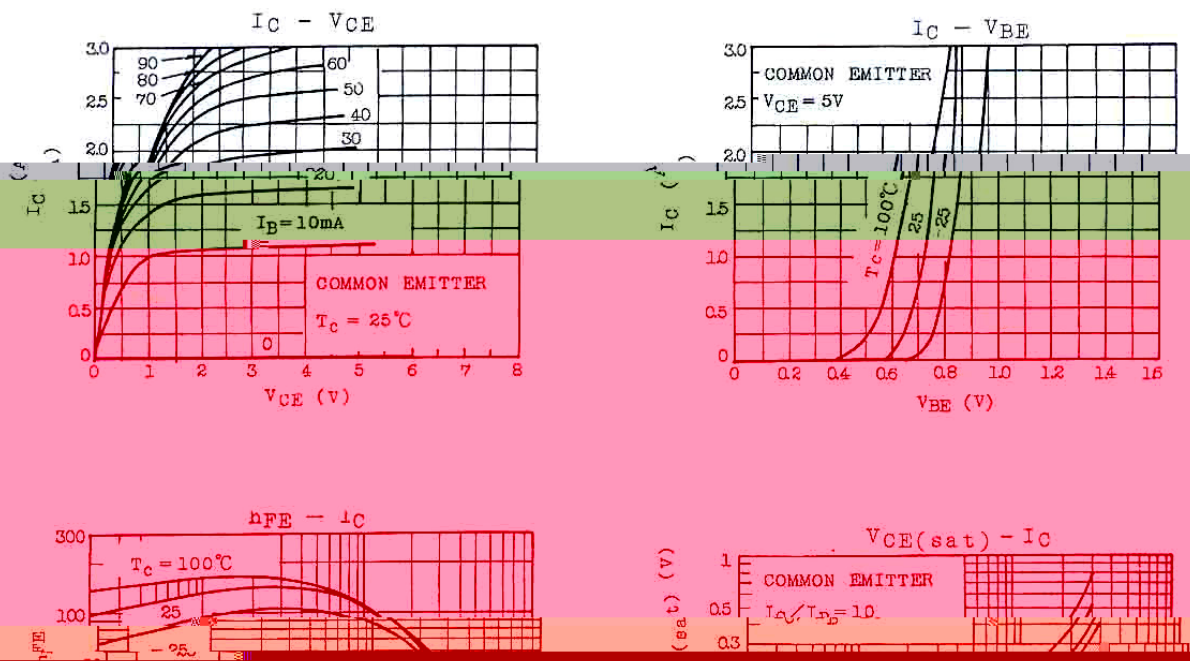


PIN1 Base PIN 2 Collector PIN 3 Emitter

h_{FE} Classifications Symbol	O	Y	GR
h_{FE} Range	60~120	100~200	150~300

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	60	V
Collector to Emitter Voltage	V_{CEO}	60	V
Emitter to Base Voltage	V_{EBO}	7.0	V
Collector Current - Continuous	I_C	3.0	A
Base Current - Continuous	I_B	0.5	A
Collector Power Dissipation	P_C	1.5	W
	$P_C(T_C=25^\circ\text{C})$	30	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55~150	

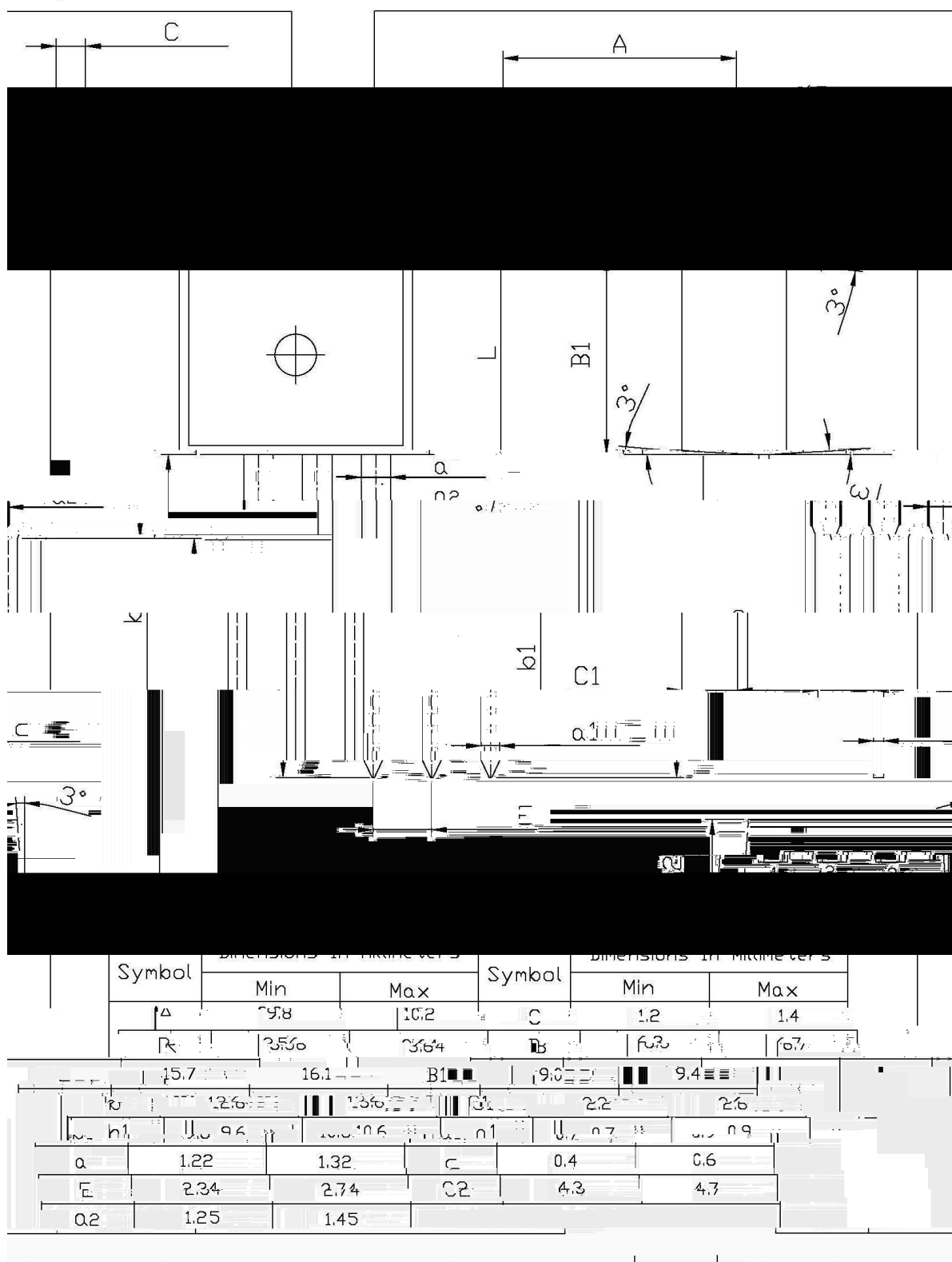
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=50\text{mA}$ $I_B=0$	60			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=60\text{V}$ $I_E=0$			100	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=7.0\text{V}$ $I_C=0$			100	μA
DC Current Gain	h_{FE}	$V_{CE}=5.0\text{V}$ $I_C=0.5\text{A}$	60		300	
Collector to Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=3.0\text{A}$ $I_B=0.3\text{A}$		0.25	1.0	V
Base to Emitter Voltage	V_{BE}	$V_{CE}=5.0\text{V}$ $I_C=0.5\text{A}$		0.7	1.0	V
Transition Frequency	f_T	$V_{CE}=5.0\text{V}$ $I_C=0.5\text{A}$		3.0		MHz
Turn-On Time	C_{ob}	$V_{CB}=10\text{V}$ $I_E=0$ $f=1.0\text{MHz}$		70		pF
Turn-On Time	t_{on}	$I_{B1}=-I_{B2}=0.2\text{A}$		0.8		μS
Storage Time	t_{stg}			1.5		μS
Fall Time	t_f			0.8		μS

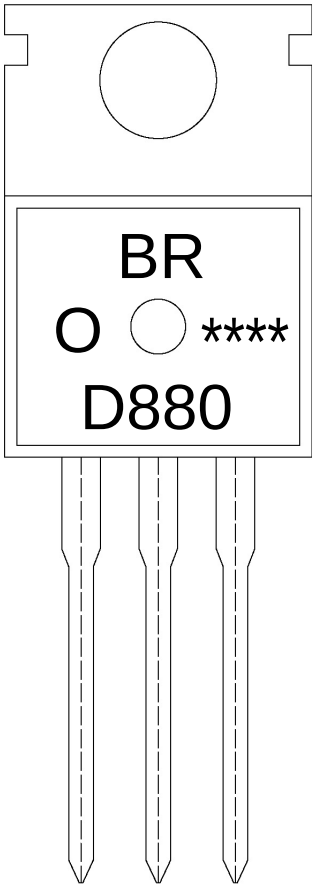


单位: mm

TO-220

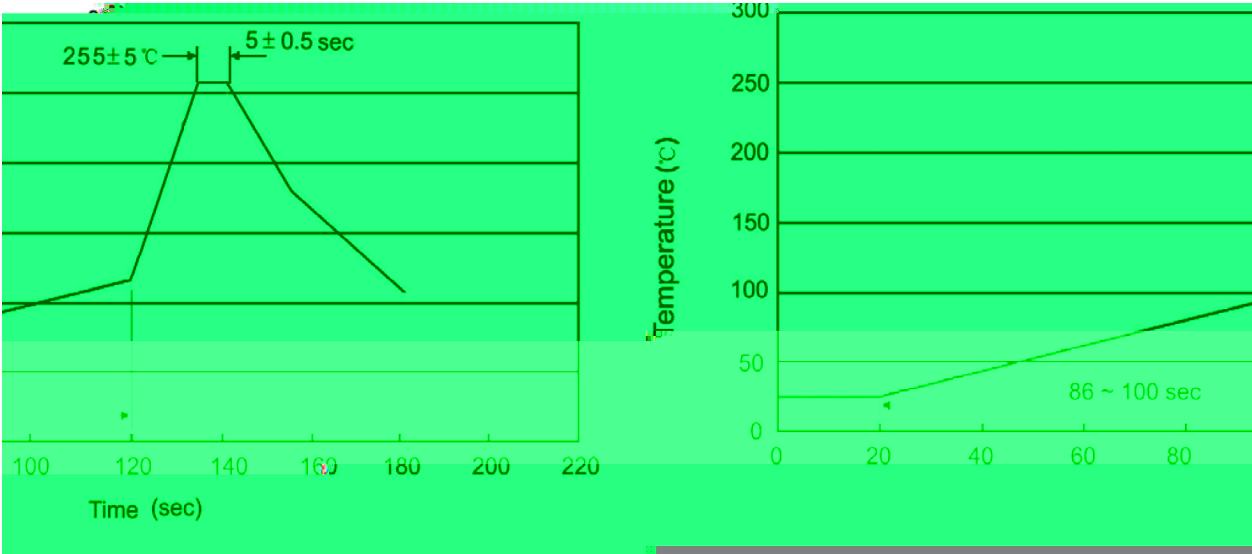
E





BR	
D880	
O:	h_{FE}

Note:	
BR:	Company Code
D880:	Product Type.
O:	h_{FE} Classifications Symbol
****:	Lot No. Code, code change with Lot No.



- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10

/sec.

Note:

1.Preheating:25~150

, Time:60~90sec.

2.Peak Temp.:255±5

, Duration:5±0.5sec.

3. Cooling Speed: 2~10

/sec.

270±5

10±1 sec.

Temp.:270±5

Time:10±1 sec

/ BULK

Package Type	Units					Dimension (unit mm ³)		
	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

/ TUBE

Package Type	Units					Dimension (unit mm ³)		
	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