

Silicon NPN transistor in a TO-220 Plastic Package.

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

Audio frequency power amplifier applications.

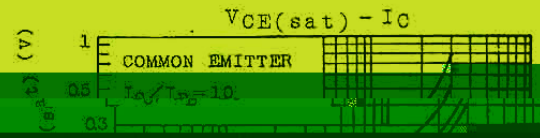
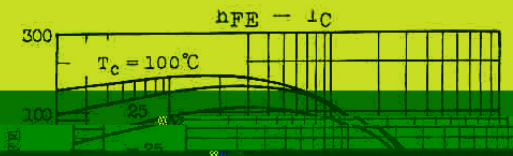
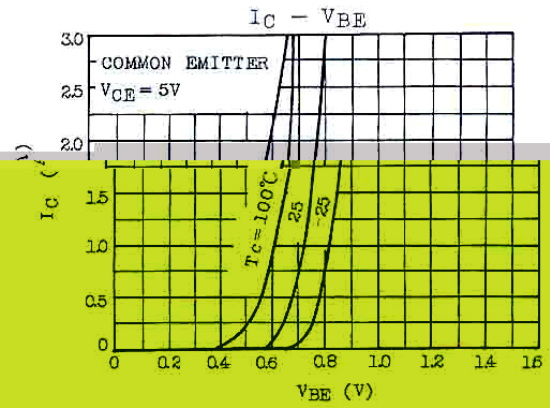
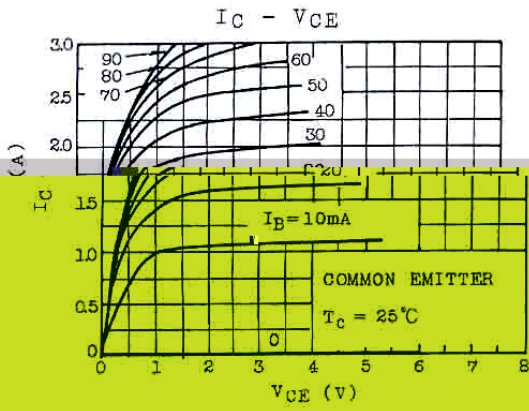


PIN 1 Base PIN 2 Collector PIN 3 Emitter

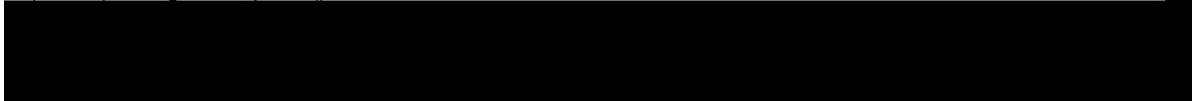
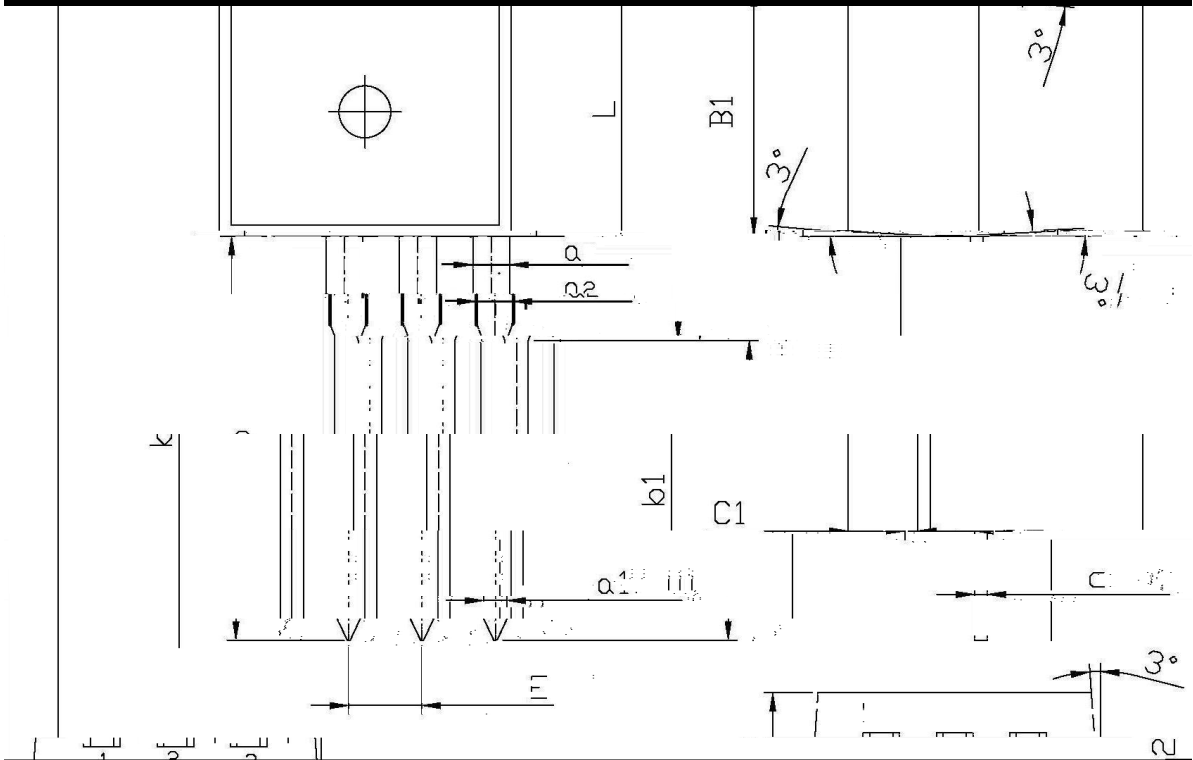
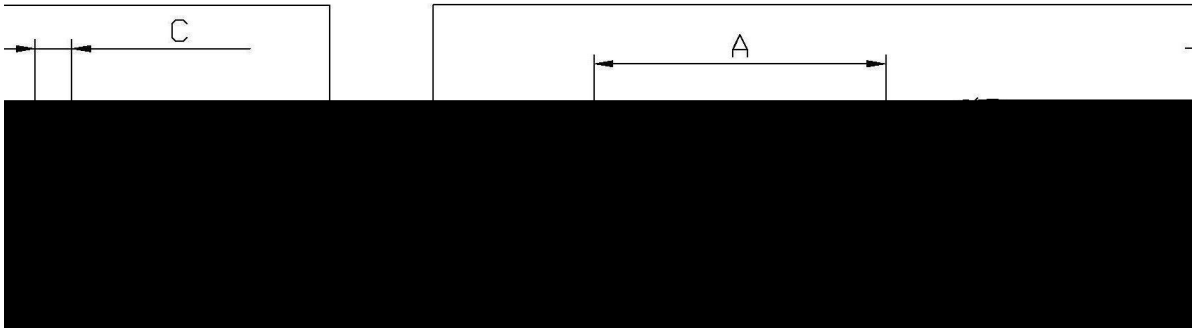
h_{FE} Classifications Symbol	O	Y	GR
h_{FE} Range	60~120	100~200	150~300

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	

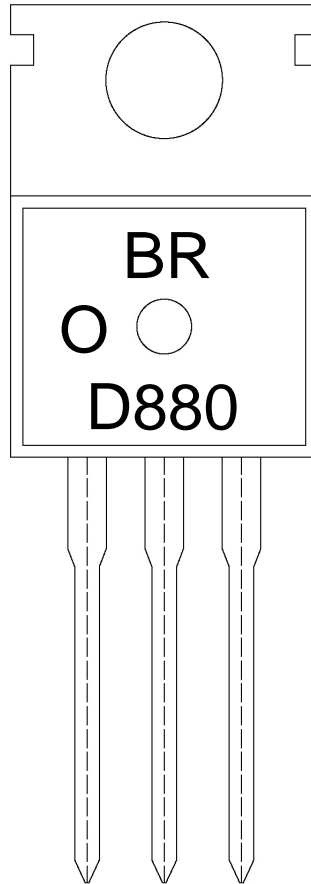
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Emitter Breakdown Voltage	V_{CEO}	$I_C=50\text{mA}$ $I_B=0$	60			V
Collector Cut-Off Current	I_{CBO}	$V_{CB}=60\text{V}$ $I_E=0$			100	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB}=7.0\text{V}$ $I_C=0$			100	μA
DC Current Gain	h_{FE}	$V_{CE}=5.0\text{V}$ $I_C=0.5\text{A}$	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 单



Symbol	Dimensions in millimeters		Symbol	Dimensions in millimeters	
	Min	Max		Min	Max
Δ	9.8	16.2	C	1.2	1.4
R	3.56	3.64	B	6.3	6.7
B	9.0	9.4	L	15.7	16.1
ϕ	2.2	2.6	ϕ	12.6	13
ϕ	0.7	0.9	ϕ	12.6	13
C	0.4	0.6	a	1.22	1.32
ϕ	1.45	1.7	ϕ	1.25	1.7



BR
D880

h_{FE}

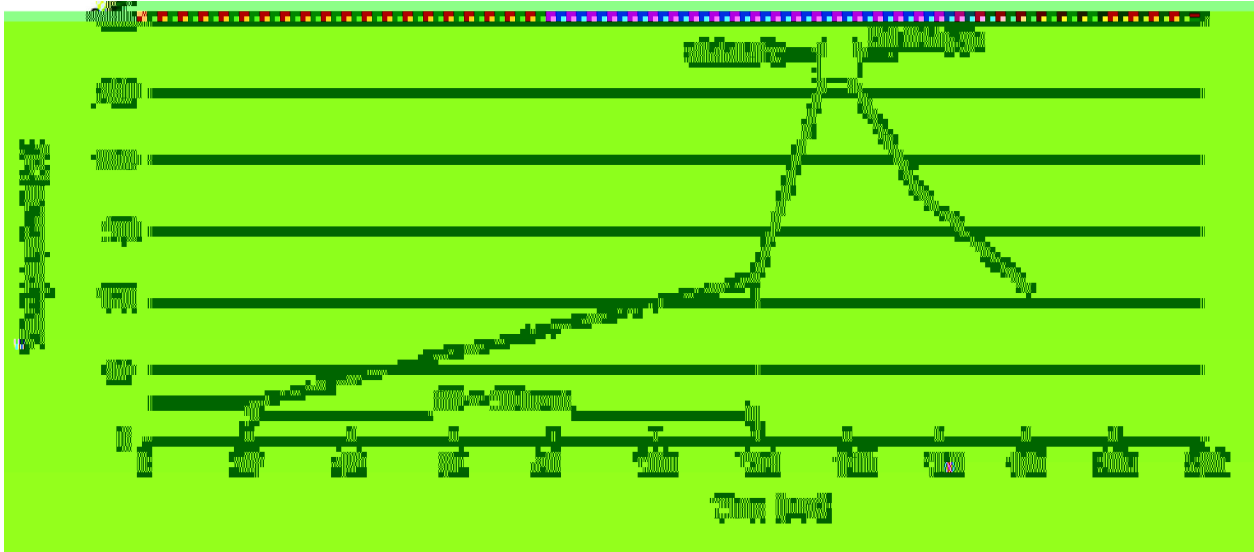
Note:

BR: Company Code

D880: Product Type.

O: h_{FE} Classifications Symbol

****: Lot No. Code, code change with Lot No.



Note:

- 1 25 150 60 90sec;
- 2 255 5 5 0.5sec;
- 3 2 10 /sec.

- 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)		

/ TUBE

Package Type	Units				Dimension (unit mm ³)		