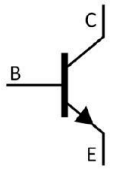
TO-92 NPN Silicon NPN transistor in a TO-92 Plastic Package.

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Small output capacitance, low noise figure.

, / , /

AM converter ,AM/FM IF amplifier and local oscillator of AM/FM tuner.

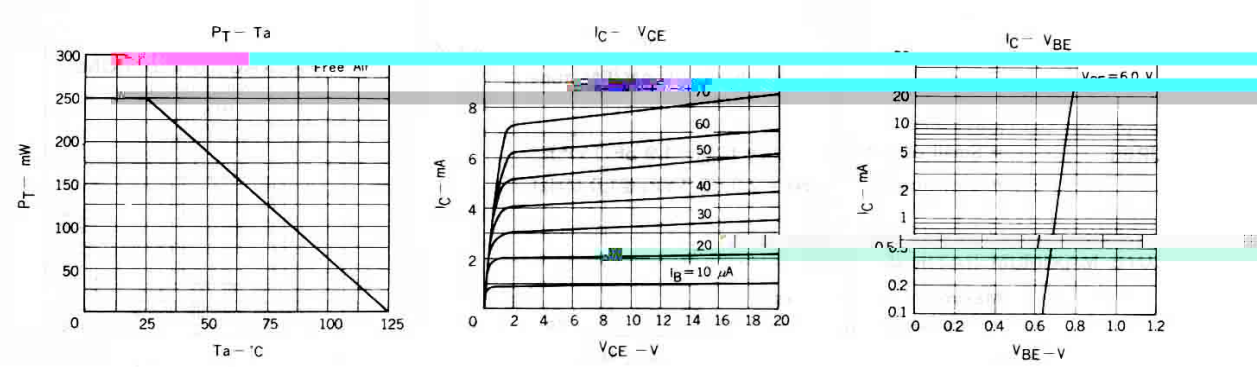


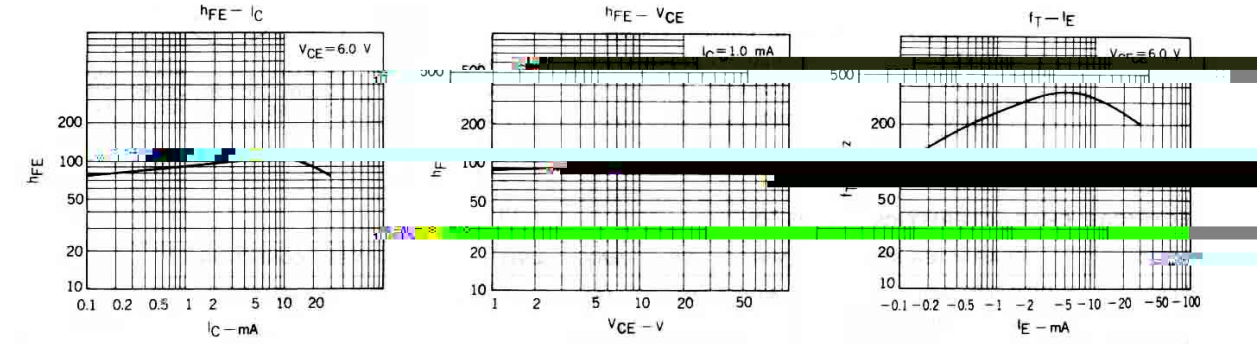


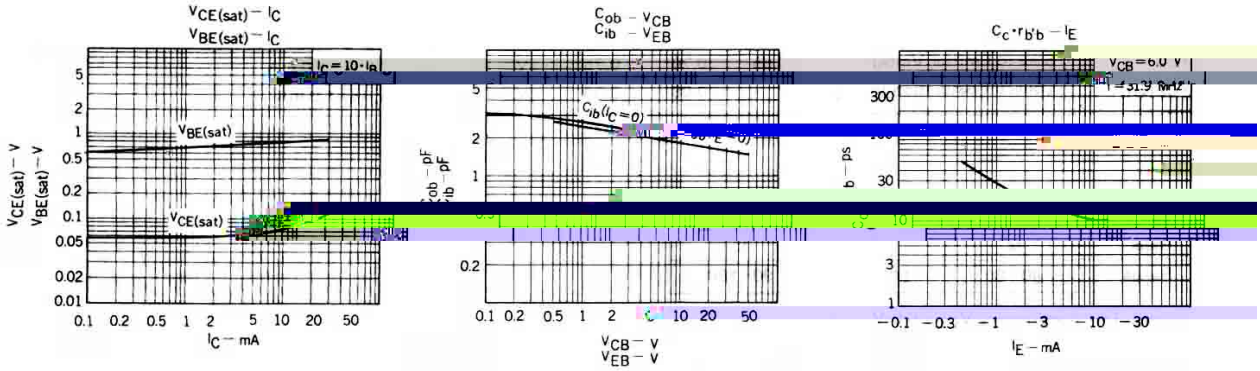
PIN1 Base PIN 2 Collector PIN 3 Emitter

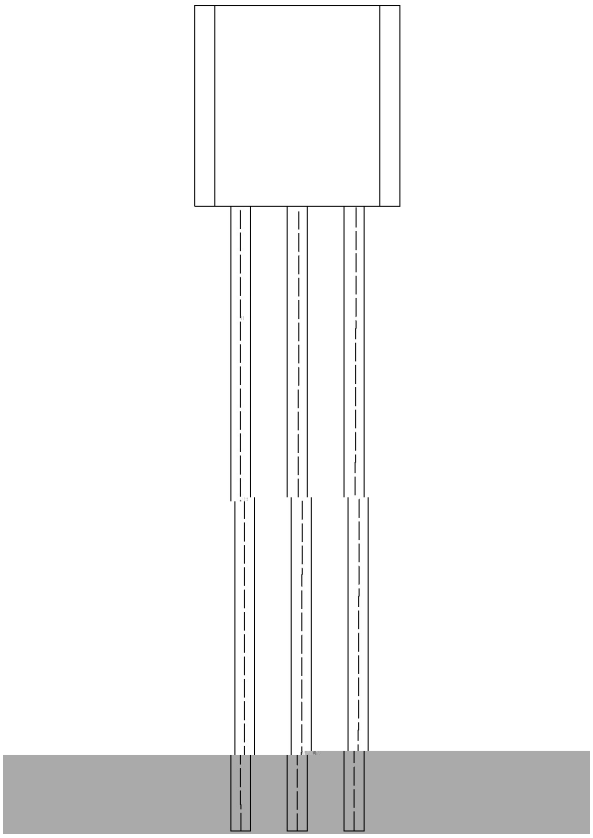
h_{FE} Classifications Symbol	M	L	K
h_{FE} Range	40~80	60~120	90~180

Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	50	V
Collector to Emitter Voltage	V_{CEO}	30	V
Emitter to Base Voltage	V_{EBO}	5.0	V
Collector Current - Continuous	I_C	30	mA
Base Current – Continuous	I_B	30	mA
Collector Power Dissipation	P_C	250	mW
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	


P_T – Ta
Free Air
P_T – mW
Ta – °C
I_C – V_{CE}
I_C – mA
V_{CE} – V
I_B = 10 μA
I_C – V_{BE}
V_{CE} = 6.0 V
V_{BE} – V


h_{FE} – I_C
V_{CE} = 6.0 V
h_{FE}
I_C – mA
h_{FE} – V_{CE}
I_C = 1.0 mA
V_{CE} – V
f_T – I_E
V_{CE} = 6.0 V
I_E – mA


$V_{CE(sat)}$ – I_C
$V_{BE(sat)}$ – I_C
I_C = 10·I_B
$V_{BE(sat)}$
$V_{CE(sat)}$
$V_{CE(sat)}$ – V
$V_{BE(sat)}$ – V
I_C – mA
C_{ob} – V_{CB}
C_{ib} – V_{EB}
C_{ib} (I_C = 0)
C_{ob} – pF
C_{ib} – pF
V_{CB} – V
V_{EB} – V
C_c·$r_{b'b}$ – I_E
V_{CB} = 6.0 V
b – ps
I_E – mA



BR:



				Note:	
1	25	150	60	90sec;	1.Preheating:25~150 , Time:60~90sec.
2	255±5			5±0.5sec;	2.Peak Temp.:255±5 , Duration:5±0.5sec.
3		2	10	/sec.	3. Cooling Speed: 2~10 /sec.

270±5	10±1 sec.	Temp:270±5	Time:10±1 sec

/ BULK