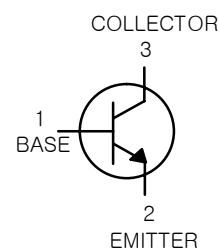
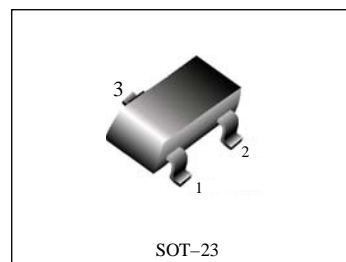


Purpose: High frequency low noise amplifier.

Features: Small reverse transfer capacitance, low noise figure.

Absolute maximum ratings(Ta=25°C)

Symbol	Rating	Unit
V_{CB0}	40	V
V_{CE0}	30	V
V_{EB0}	4.0	V
I_C	20	mA
I_E	-20	mA
P_C	150	mW
T_j	150	°C
T_{stg}	-55~150	°C



Electrical characteristics(Ta=25°C)

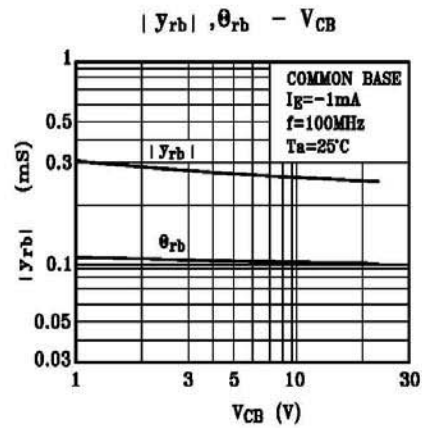
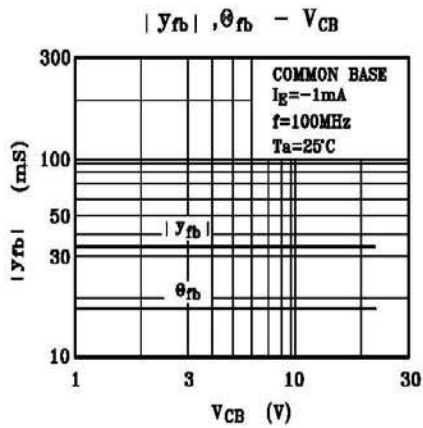
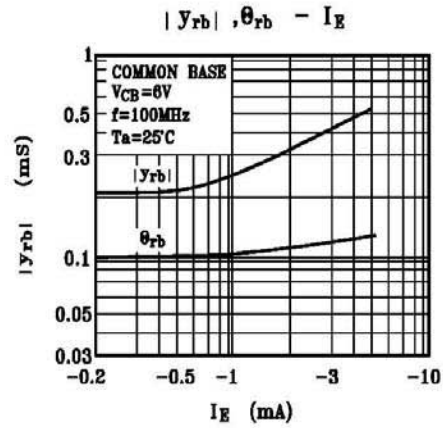
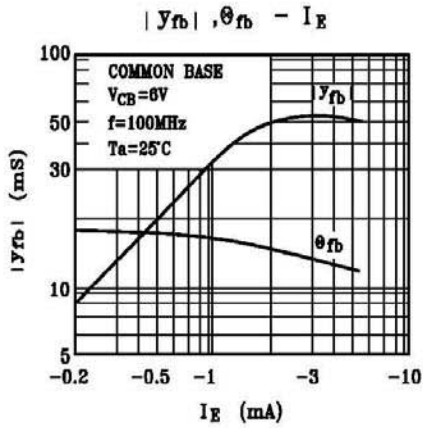
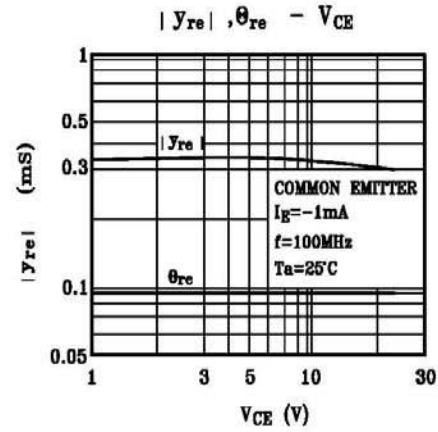
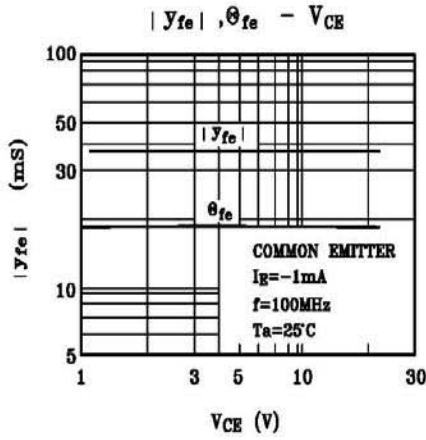
Symbol	Test condition	Rating			Unit
		Min	Typ	Max	
I_{CB0}	$V_{CB}=18V$ $I_E=0$			0.5	μA
I_{EB0}	$V_{EB}=4.0V$ $I_C=0$			0.5	μA
h_{FE}	$V_{CE}=6.0V$ $I_C=1.0mA$	40		200	
C_{re}	$V_{CE}=6.0V$ $f=1.0MHz$		0.7		pF
f_T	$V_{CE}=6.0V$ $I_C=1.0mA$		550		MHz
C_c, r_{bb}	$V_{CE}=6.0V$ $I_E=1.0mA$ $f=30MHz$			30	pS
NF	$V_{CE}=6.0V$ $I_C=0.1mA$ $f=100MHz$		2.5	5.0	dB
G_{pe}	$V_{CE}=6.0V$ $I_C=0.1mA$ $f=100MHz$	15	18		dB

h_{FE} classifications:

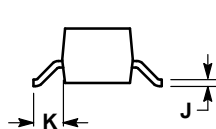
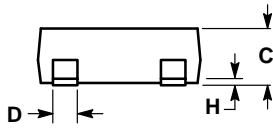
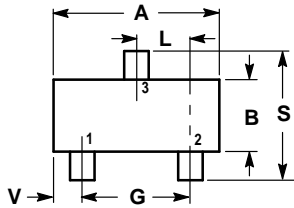
h_{FE} Classifications	R	0	Y
h_{FE} Range	40~80	70~140	100~200
Marking	HAQR	HAQ0	HAQY



FTC3880



SOT-23 (TO-236AB)



NOTES

1. CONTROLLING DIMENSION: MILLIMETERS
2. LEAD THICKNESS SPECIFIED PER L / F DRAWING WITH SOLDER PLATING.

DIM	INCHES		MILLIMETERS	
	MIN	MAX	MIN	MAX
A	0.1102	0.1197	2.80	3.04
B	0.0472	0.0551	1.20	1.40
C	0.0350	0.0440	0.89	1.11
D	0.0150	0.0200	0.37	0.50
G	0.0701	0.0807	1.78	2.04
H	0.0005	0.0040	0.013	0.100
J	0.0034	0.0070	0.085	0.177
K	0.0180	0.0236	0.45	0.60
L	0.0350	0.0401	0.89	1.02
S	0.0830	0.0984	2.10	2.50
V	0.0177	0.0236	0.45	0.60

- STYLE 1:
- PIN 1: ANODE
 - 2: NO CONNECTION
 - 3: CATHODE

