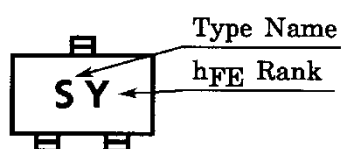


### Electrical Characteristics (Ta = 25°C)

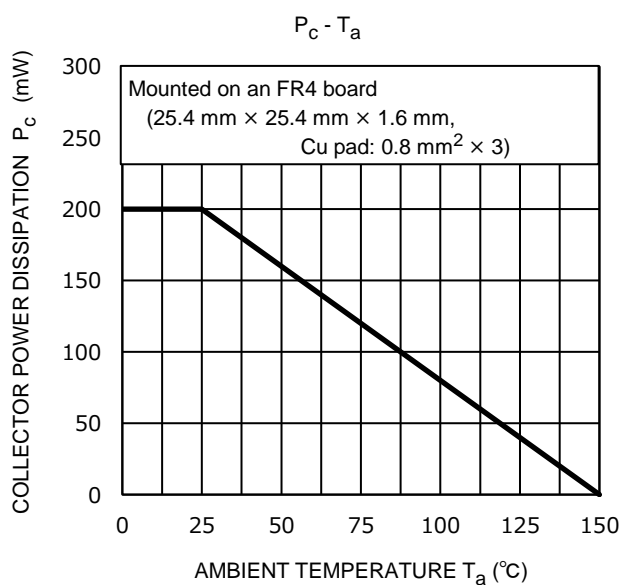
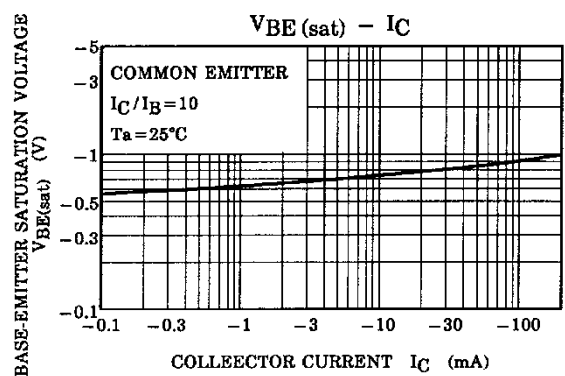
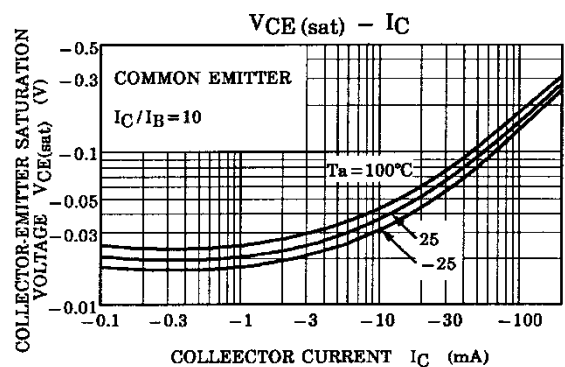
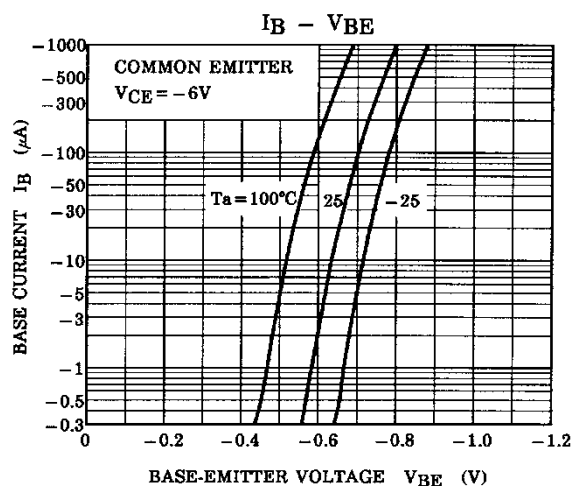
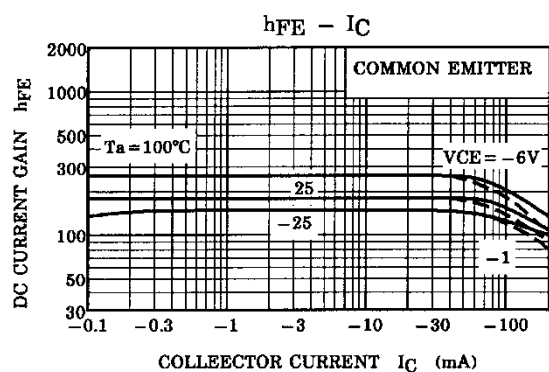
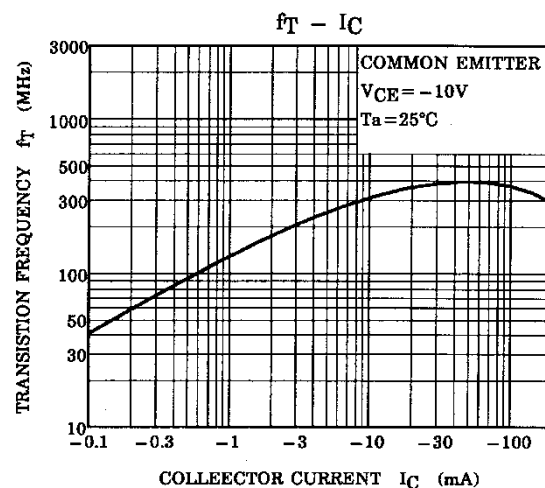
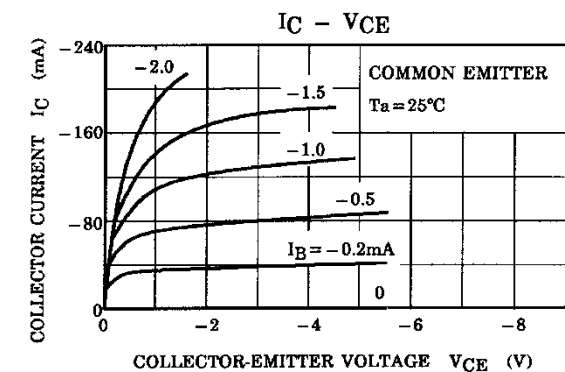
Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Collector cut-off current	ICBO	V <sub>CB</sub> = -50 V, I <sub>E</sub> = 0 A	—	—	-0.1	μA
Emitter cut-off current	IEBO	V <sub>EB</sub> = -5 V, I <sub>C</sub> = 0 A	—	—	-0.1	μA
DC current gain	h <sub>FE</sub> (Note)	V <sub>CE</sub> = -6 V, I <sub>C</sub> = -2 mA	70	—	400	—
Collector-emitter saturation voltage	V <sub>CE (sat)</sub>	I <sub>C</sub> = -100 mA, I <sub>B</sub> = -10 mA	—	-0.1	-0.3	V
Transition frequency	f <sub>T</sub>	V <sub>CE</sub> = -10 V, I <sub>C</sub> = -1 mA	80	—	—	MHz
Collector output capacitance	C <sub>ob</sub>	V <sub>CB</sub> = -10 V, I <sub>E</sub> = 0 A, f = 1 MHz	—	4	7	pF
Noise figure	NF	V <sub>CE</sub> = -6 V, I <sub>C</sub> = -0.1 mA, f = 1 kHz, R <sub>g</sub> = 10 kΩ,	—	1.0	10	dB

Note: h<sub>FE</sub> classification O (O): 70 to 140, Y (Y): 120 to 240, GR (G): 200 to 400, ( ) marking symbol

### Marking



## Characteristics Curves



The above characteristics curves are presented for reference only and not guaranteed by production test, unless otherwise noted.

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