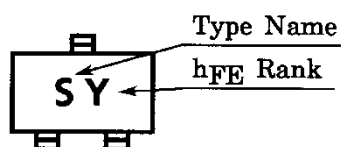


Electrical Characteristics (Ta = 25°C)

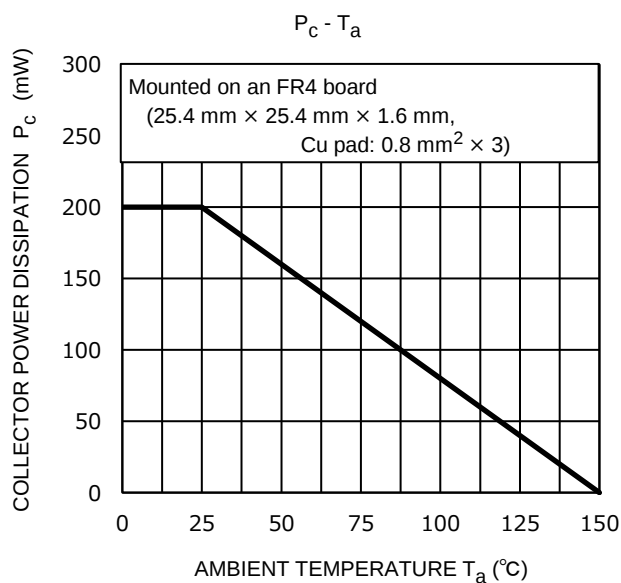
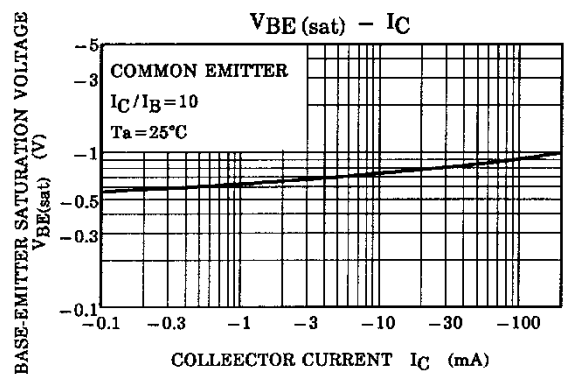
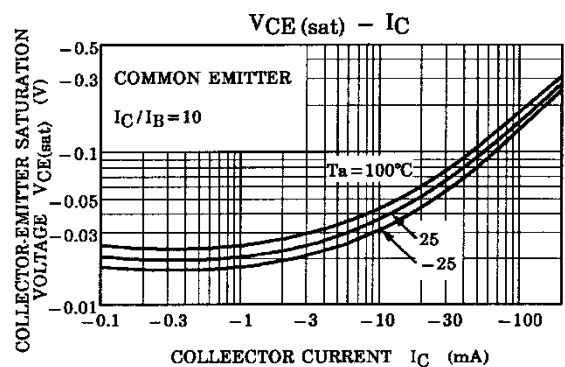
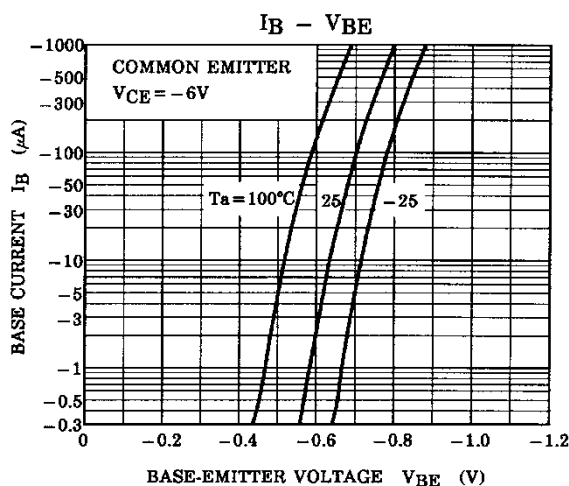
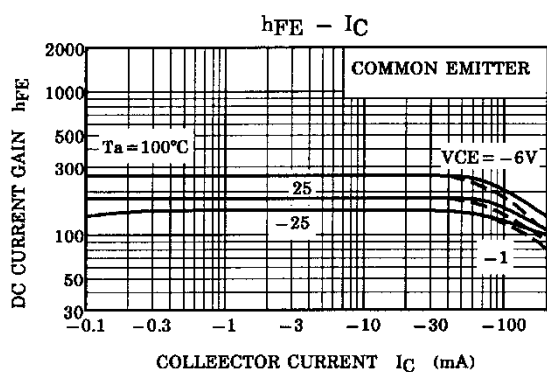
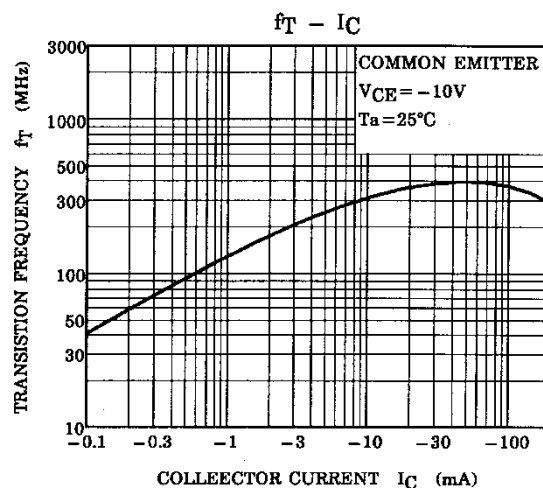
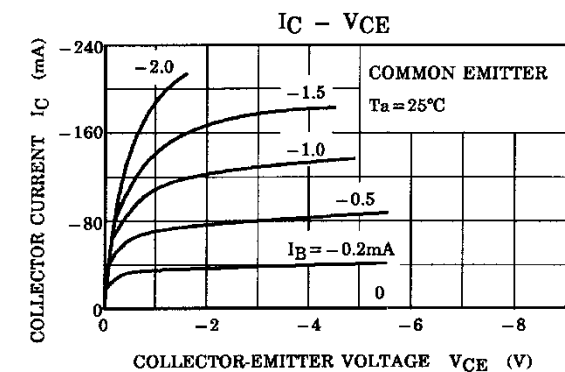
Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Collector cut-off current	ICBO	V _{CB} = -50 V, I _E = 0 A	—	—	-0.1	μA
Emitter cut-off current	IEBO	V _{EB} = -5 V, I _C = 0 A	—	—	-0.1	μA
DC current gain	h _{FE} (Note)	V _{CE} = -6 V, I _C = -2 mA	70	—	400	—
Collector-emitter saturation voltage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

Note: h_{FE} 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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