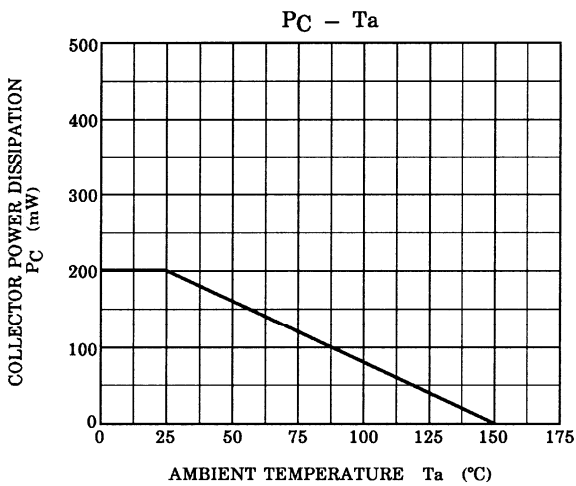
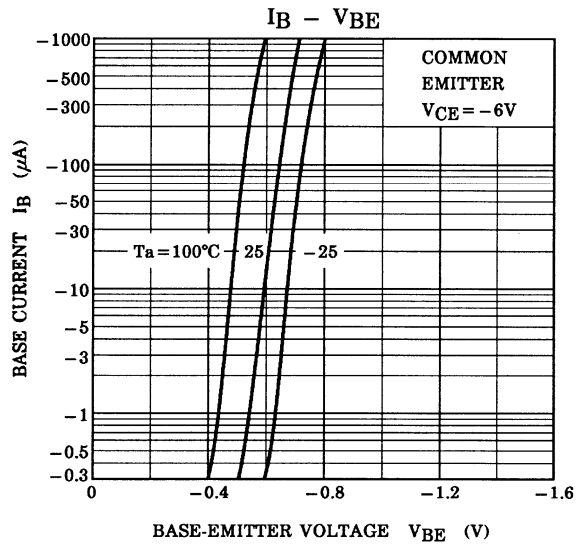
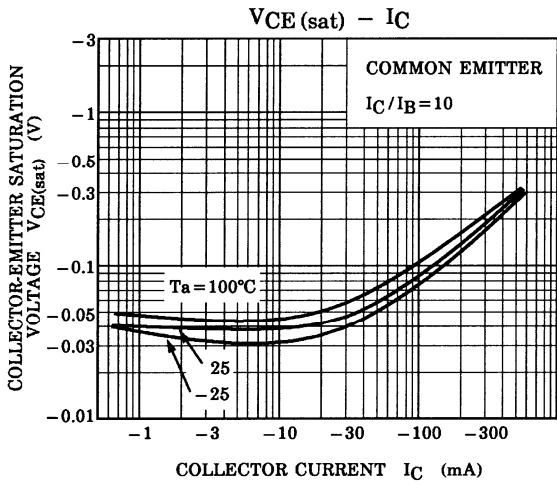
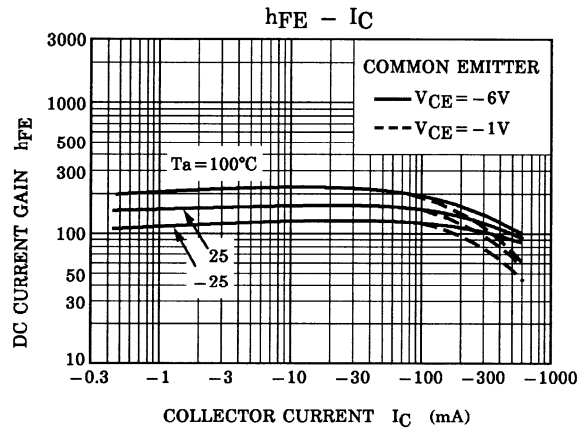
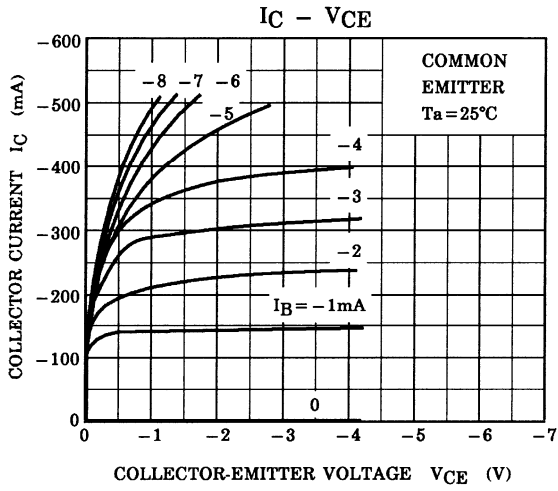


Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Collector cut-off current	I_{CBO}	$V_{CB} = -5\text{ V}, I_E = 0$	—	—	-0.1	μA
Emitter cut-off current	I_{EBO}	$V_{EB} = -5\text{ V}, I_C = 0$	—	—	-0.1	μA
DC current gain	$h_{FE(1)}$ (Note)	$V_{CE} = -1\text{ V}, I_C = -100\text{ mA}$	70	—	240	
	$h_{FE(2)}$ (Note)	$V_{CE} = -6\text{ V}, I_C = -400\text{ mA}$	25	—	—	
Collector-emitter saturation voltage	$V_{CE(sat)}$	$I_C = -100\text{ mA}, I_B = -10\text{ mA}$	—	-0.1	-0.25	V
Base-emitter voltage	V_{BE}	$V_{CE} = -1\text{ V}, I_C = -100\text{ mA}$	—	-0.8	-1.0	V
Transition frequency	f_T	$V_{CE} = -6\text{ V}, I_C = -20\text{ mA}$	—	200	—	MHz
Collector output capacitance	C_{ob}	$V_{CB} = -6\text{ V}, I_E = 0, f = 1\text{ MHz}$	—	13	—	pF

Note: $h_{FE(1)}$ classification O: 70~140, Y: 120~240
 $h_{FE(2)}$ classification O: 25 (min), Y: 40 (min)



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