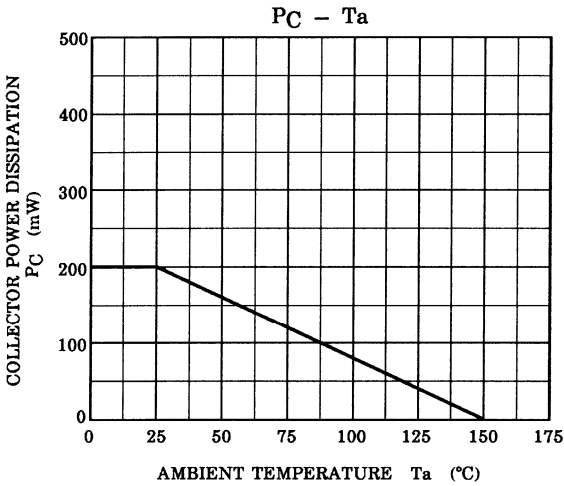
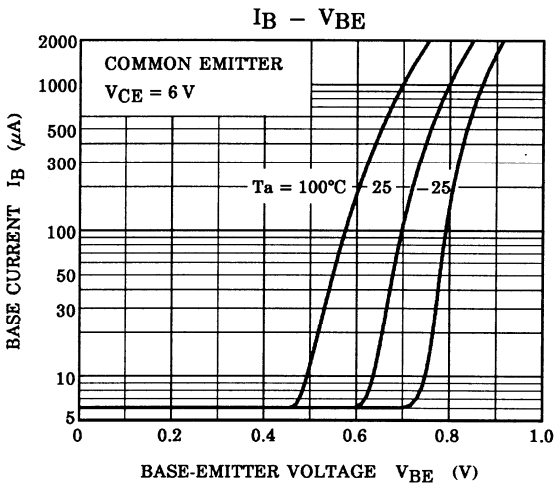
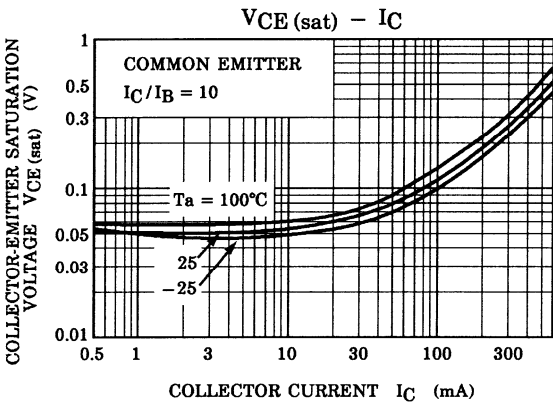
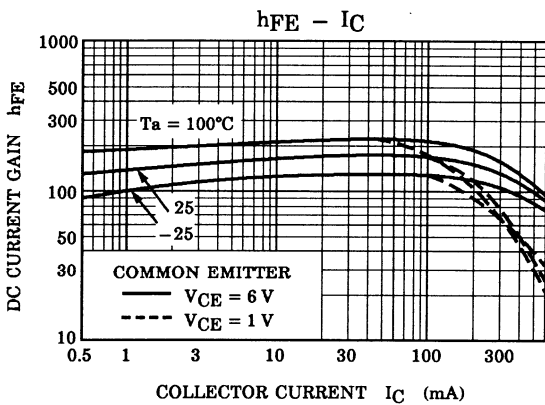
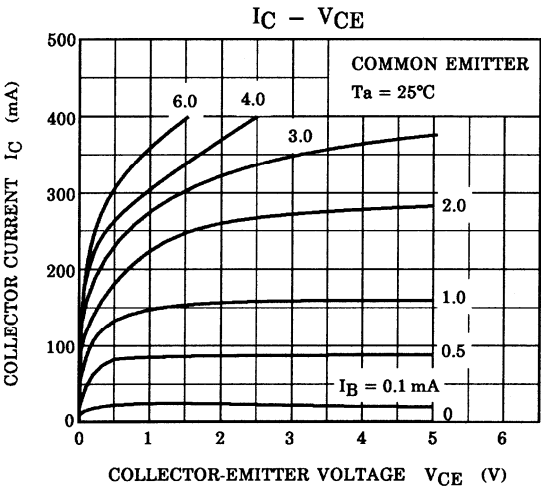


Electrical Characteristics (Ta = 25°C)

Characteristics	Symbol	Test Condition	Min	Typ.	Max	Unit
Collector cut-off current	I_{CBO}	$V_{CB} = 50\text{ V}, I_E = 0$	—	—	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	$V_{CE} = 6\text{ V}, I_C = 20\text{ mA}$	—	300	—	MHz
Collector output capacitance	C_{ob}	$V_{CB} = 6\text{ V}, I_E = 0, f = 1\text{ MHz}$	—	7	—	pF

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



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