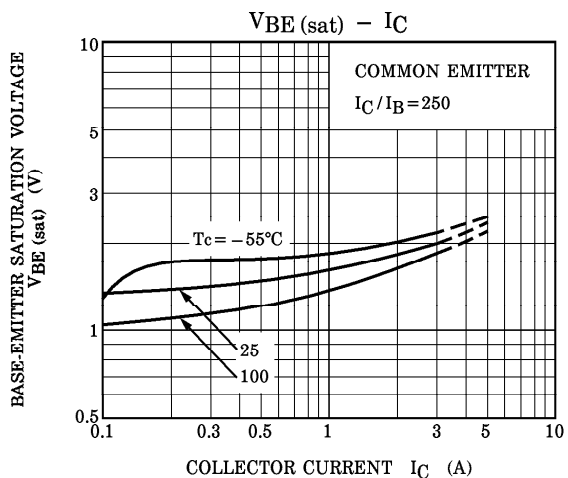
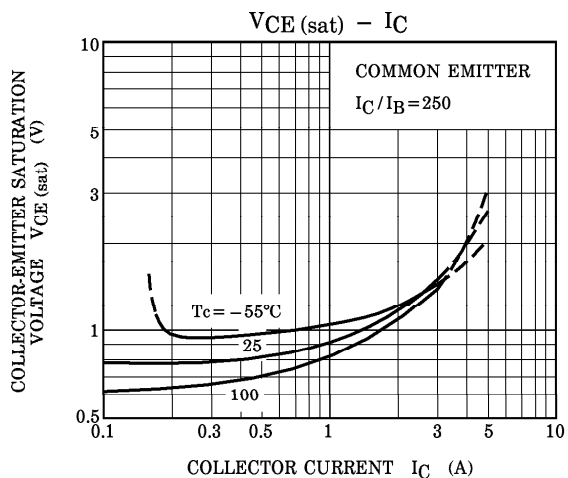
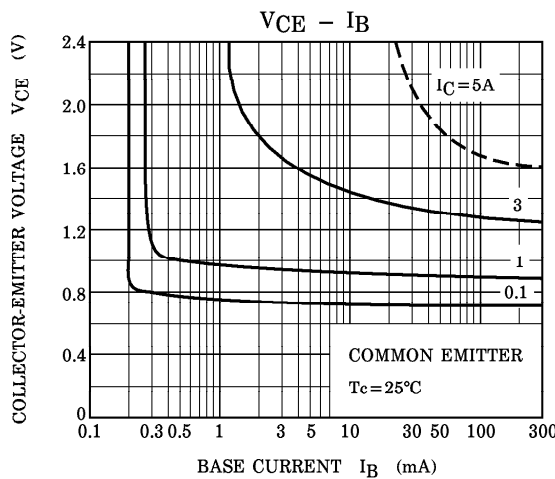
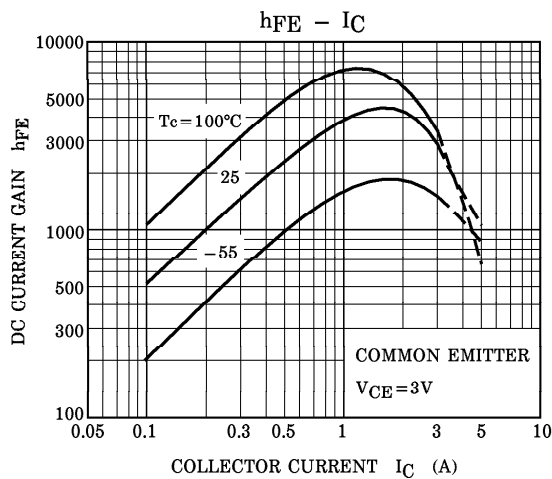
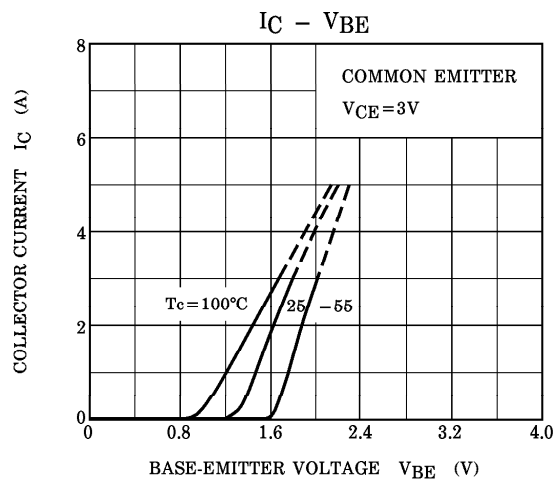
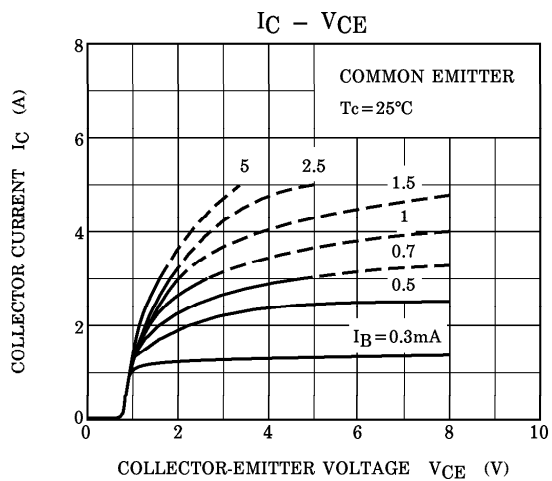
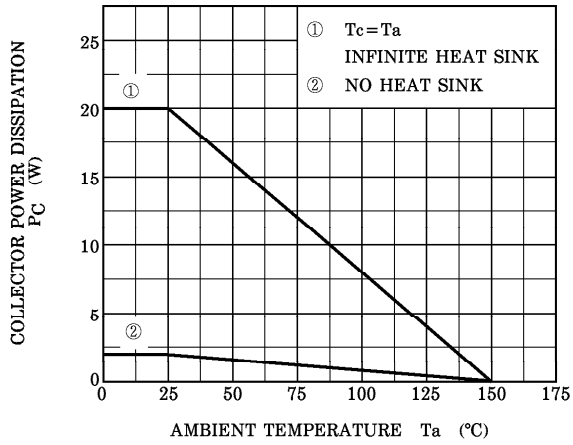


ELECTRICAL CHARACTERISTICS (Ta = 25°C)

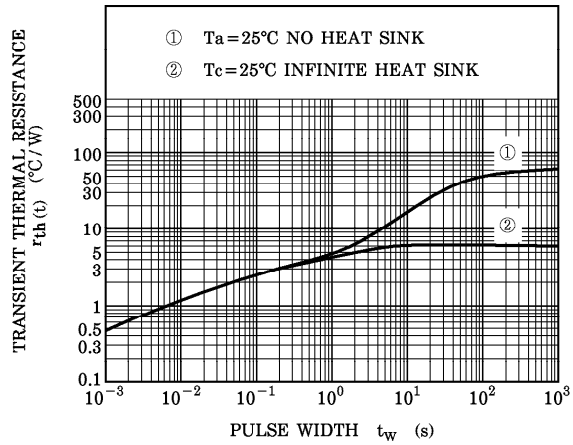
CHARACTERISTIC		SYMBOL	TEST CONDITION	MIN.	TYP.	MAX.	UNIT
Collector Cut-off Current		ICBO	V _{CB} = 100V, I _E = 0	—	—	100	μA
Emitter Cut-off Current		IEBO	V _{EB} = 6V, I _C = 0	—	—	2.5	mA
Collector-Emitter Breakdown Voltage		V _{(BR) CEO}	I _C = 30mA, I _B = 0	100	—	—	V
DC Current Gain		h _{FE} (1)	V _{CE} = 3V, I _C = 1.5A	2000	—	15000	
		h _{FE} (2)	V _{CE} = 3V, I _C = 3A	1000	—	—	
Collector-Emitter Saturation Voltage		V _{CE (sat)} (1)	I _C = 1.5A, I _B = 3mA	—	—	1.5	V
		V _{CE (sat)} (2)	I _C = 3A, I _B = 12mA	—	—	2.0	
Base-Emitter Saturation Voltage		V _{BE (sat)}	I _C = 1.5A, I _B = 3mA	—	—	2.0	V
Switching Time	Turn-on Time	t _{on}	<p>IN-PUT I_{B1} 20μs I_{B1} I_{B2} OUTPUT 20Ω V_{CC} = 30V DUTY CYCLE ≤ 1%</p>	—	1.0	—	μs
	Storage Time	t _{stg}		—	5.0	—	
	Fall Time	t _f		—	2.0	—	



PC - Ta



r_{th}(t) - t_w



SAFE OPERATING AREA

