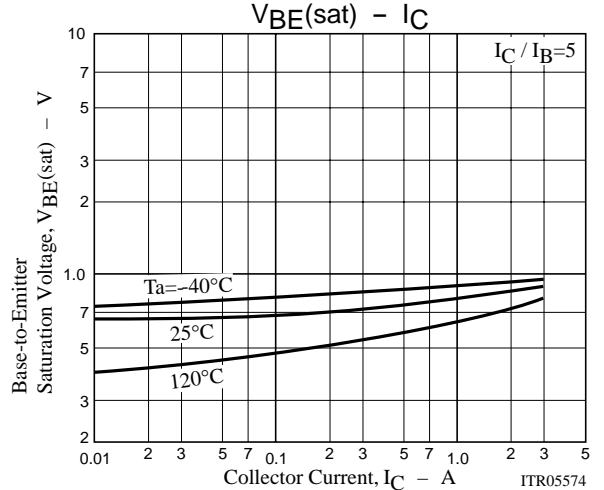
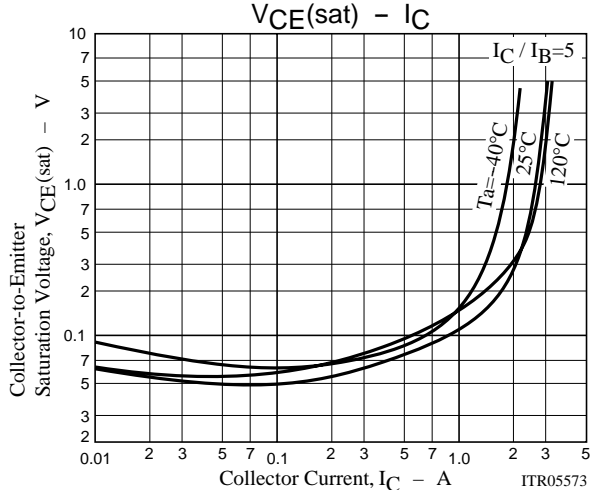
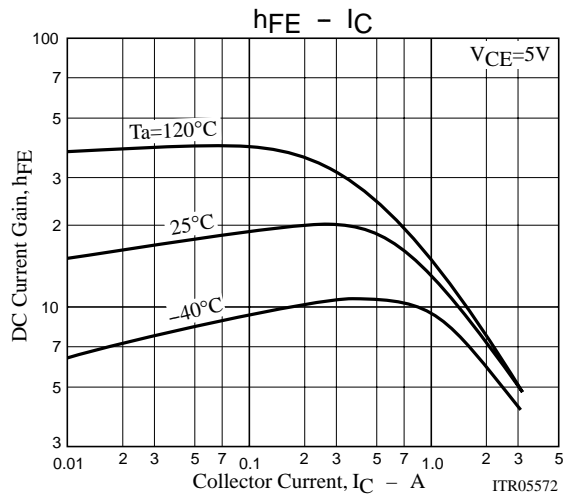
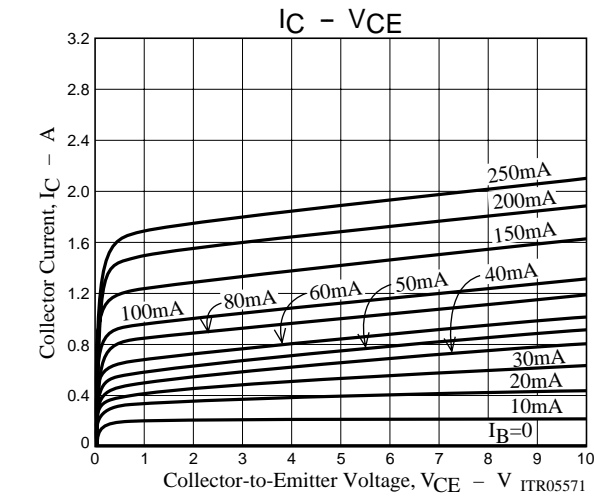
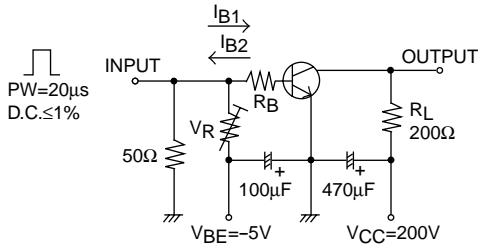


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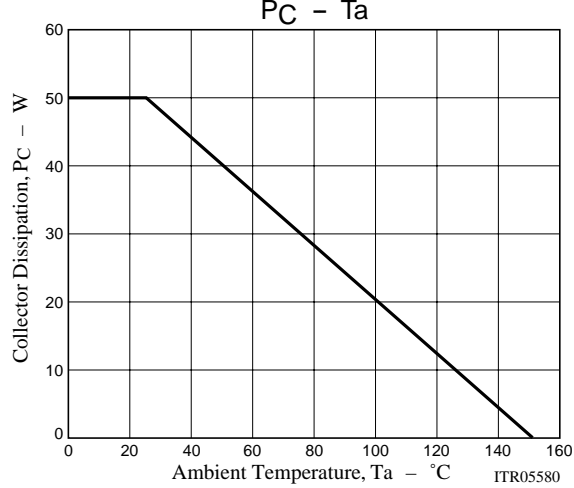
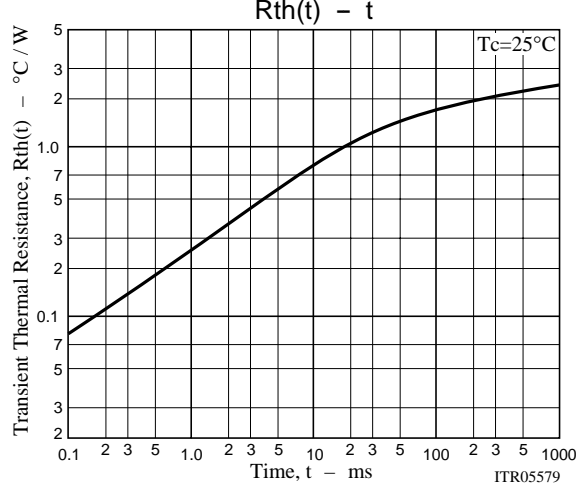
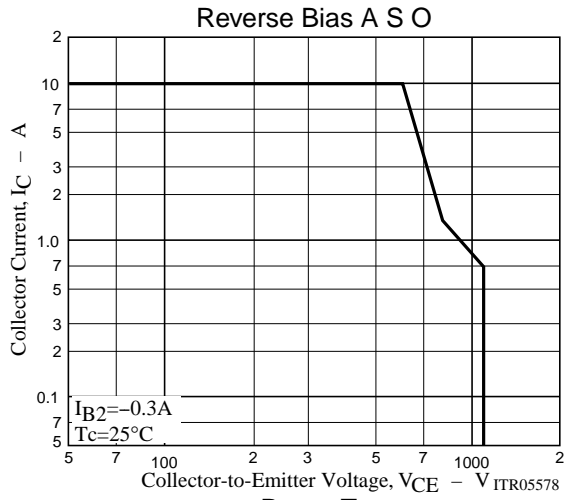
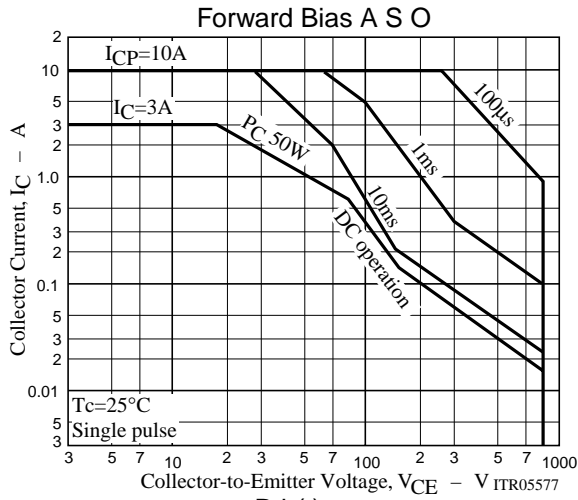
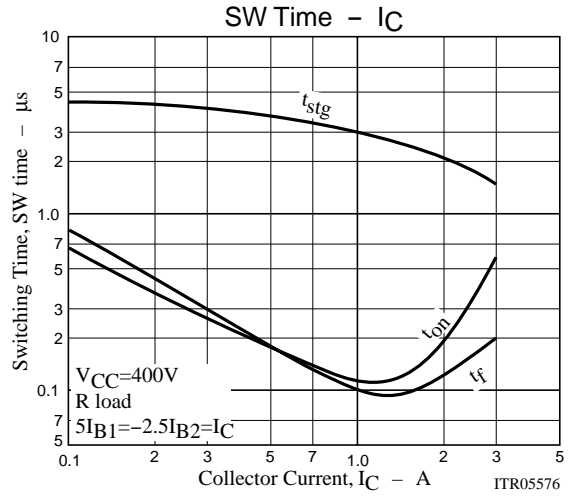
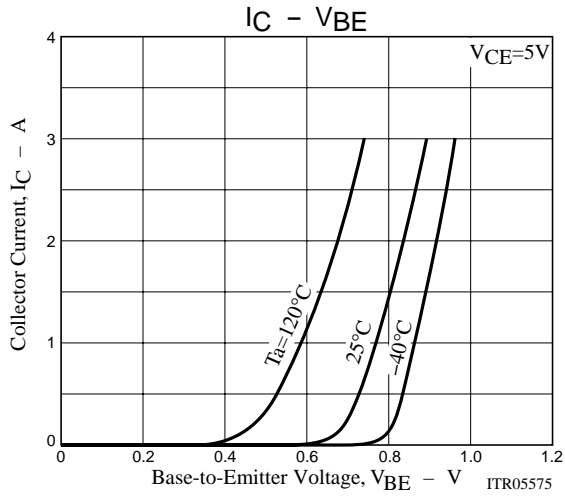
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Gain-Bandwidth Product	f_T	$V_{CE}=10V, I_C=0.2A$		15		MHz
Output Capacitance	C_{ob}	$V_{CB}=10V, f=1MHz$		60		pF
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=1.5A, I_B=0.3A$			2.0	V
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=1.5A, I_B=0.3A$			1.5	V
Collector-to-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C=1mA, I_E=0$	1100			V
Collector-to-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=5mA, R_{BE}=\infty$	800			V
Emitter-to-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=1mA, I_C=0$	7			V
Collector-to-Emitter Sustain Voltage	$V_{CEX(sus)}$	$I_C=1.5A, I_{B1}=-I_{B2}=0.3A, L=2mH, \text{clamped}$	800			V
Turn-ON Time	t_{on}	$V_{CC}=400V, 5I_{B1}=-2.5I_{B2}=I_C=2A, R_L=200\Omega$			0.5	μs
Storage Time	t_{stg}	$V_{CC}=400V, 5I_{B1}=-2.5I_{B2}=I_C=2A, R_L=200\Omega$			3.0	μs
Fall Time	t_f	$V_{CC}=400V, 5I_{B1}=-2.5I_{B2}=I_C=2A, R_L=200\Omega$			0.3	μs

Switching Time Test Circuit



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