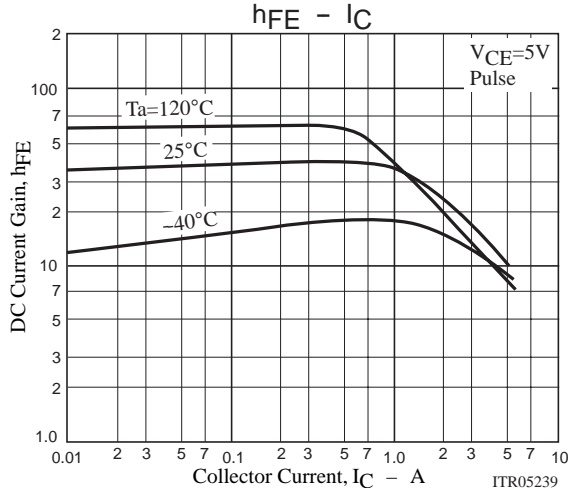
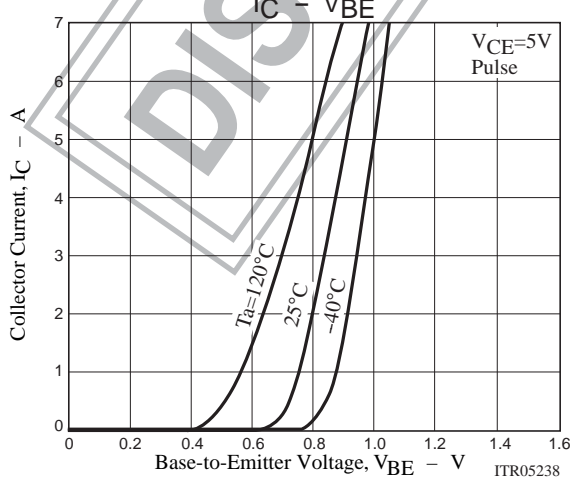
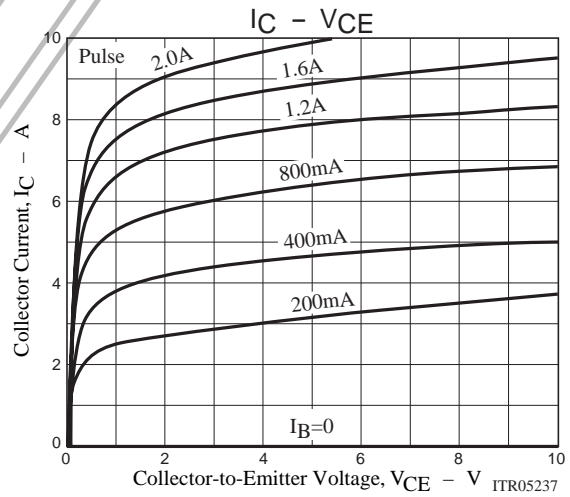
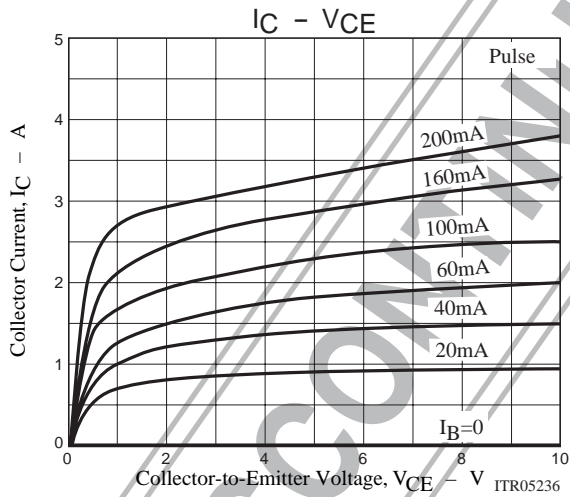
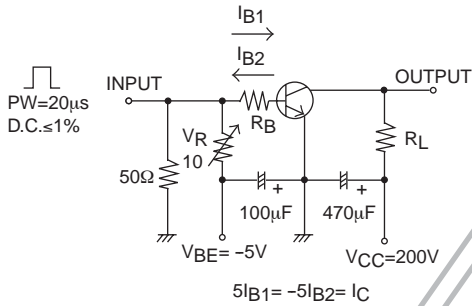
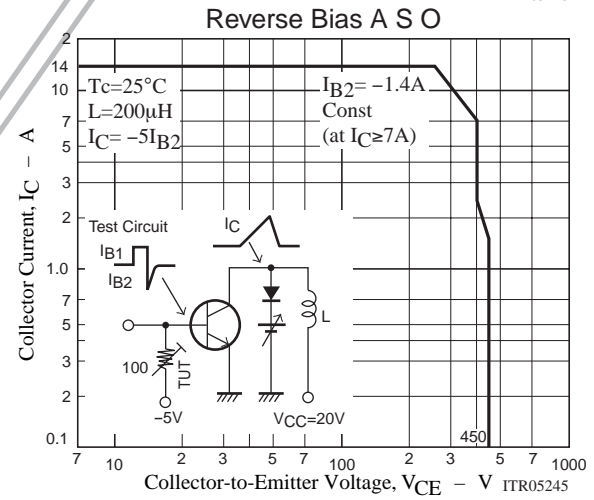
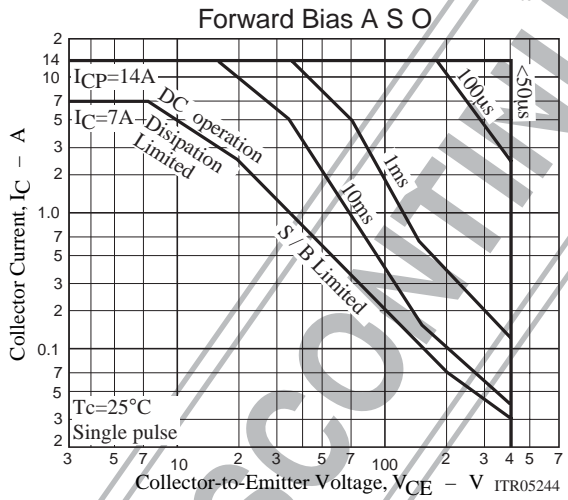
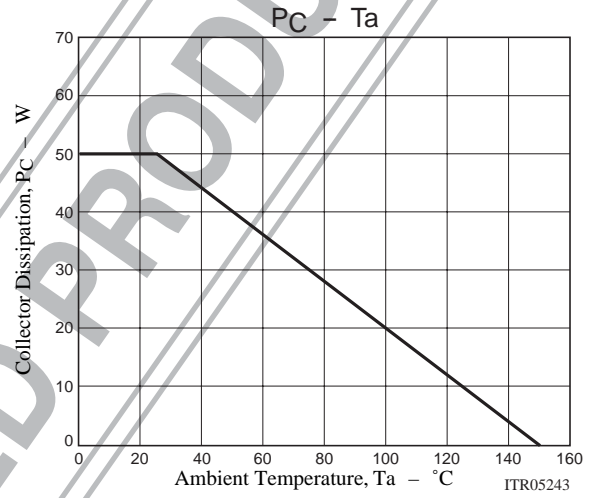
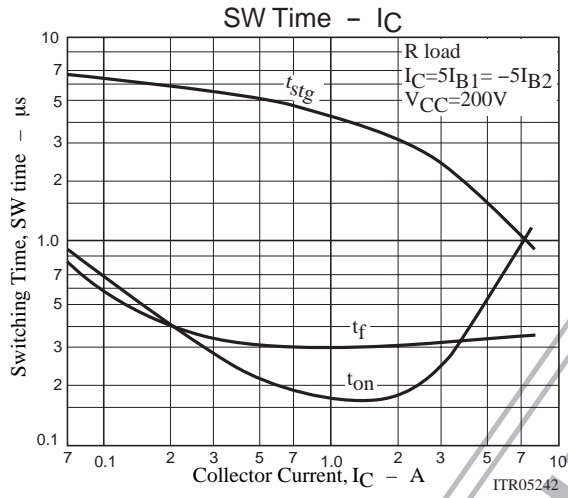
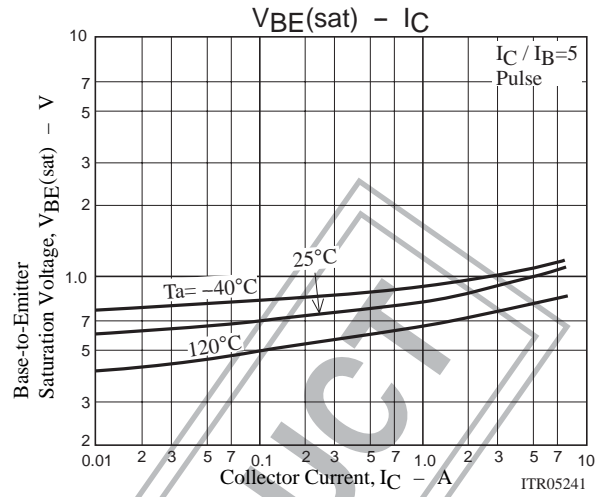
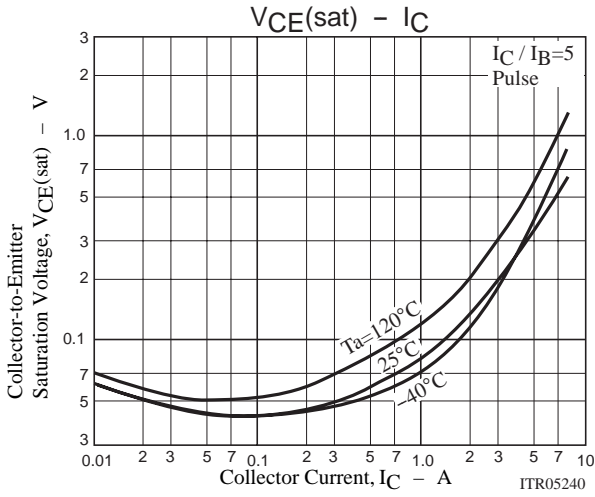


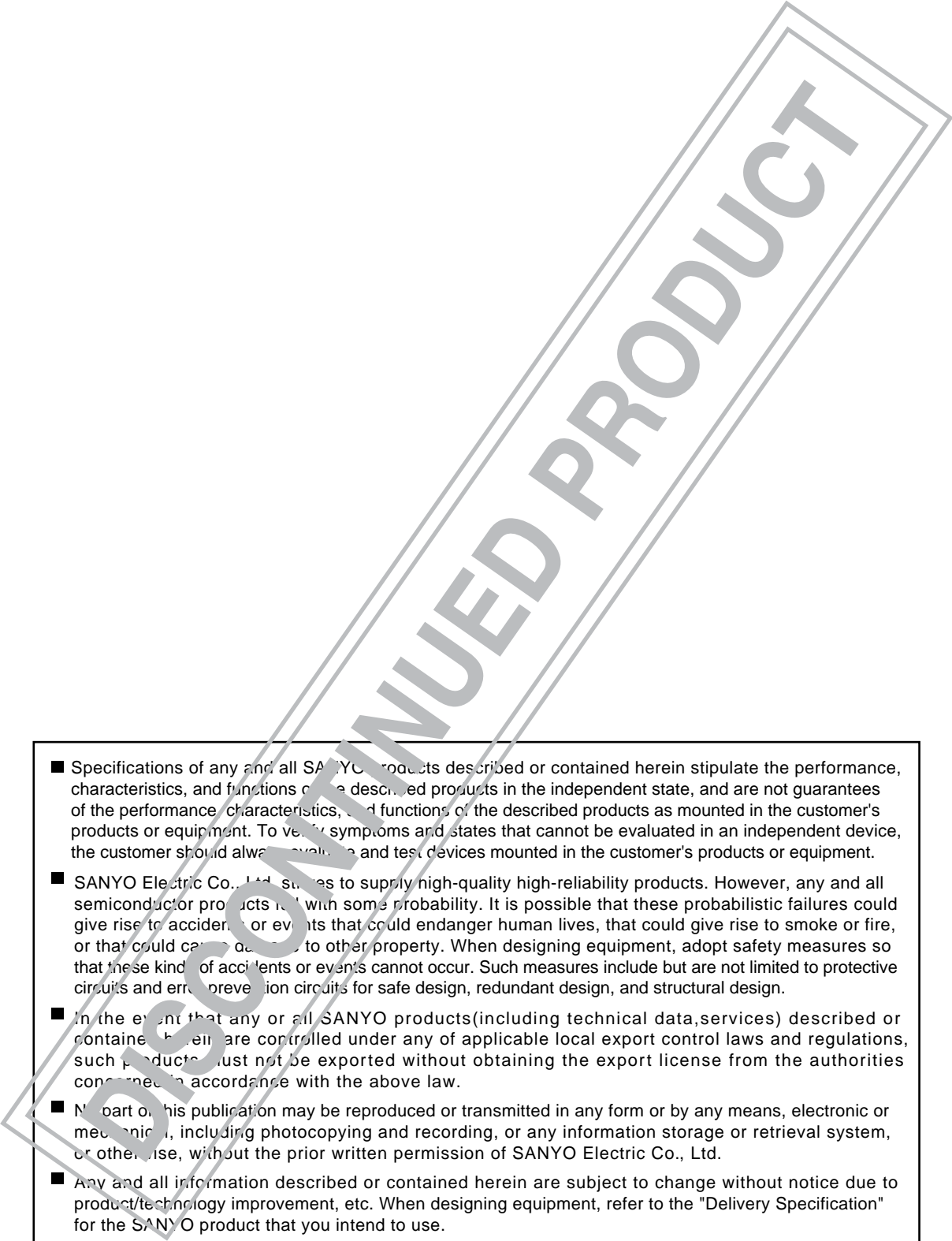
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=4A, I_B=0.8A$			1.0	V
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=4A, I_B=0.8A$			1.5	V
Gain-Bandwidth Product	f_T	$V_{CE}=10V, I_C=0.8A$		20		MHz
Output Capacitance	C_{ob}	$V_{CB}=10V, f=1MHz$		80		pF
Collector-to-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C=1mA, I_E=0$	500			V
Collector-to-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=5mA, R_{BE}=\infty$	400			V
Emitter-to-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=1mA, I_C=0$	7			V
Collector-to-Emitter Sustain Voltage	$V_{CEO(sus)}$	$I_C=7A, I_B=1.4A, L=50\mu H$	400			V
Collector-to-Emitter Sustain Voltage	$V_{CEX(sus)1}$	$I_C=7A, I_{B1}=1.4A, L=200\mu H, I_{B2}=-1.4A, \text{clamped}$	400			V
	$V_{CEX(sus)2}$	$I_C=1.5A, I_{B1}=0.3A, L=200\mu H, I_{B2}=-0.3A, \text{clamped}$	450			V
Turn-ON Time	t_{on}	$I_C=5A, I_{B1}=1A, I_{B2}=-1A, R_L=40\Omega, V_{CC}=200V$			1.0	μs
Storage Time	t_{stg}	$I_C=5A, I_{B1}=1A, I_{B2}=-1A, R_L=40\Omega, V_{CC}=200V$			2.5	μs
Fall Time	t_f	$I_C=5A, I_{B1}=1A, I_{B2}=-1A, R_L=40\Omega, V_{CC}=200V$			1.0	μs

Switching Time Test Circuit





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