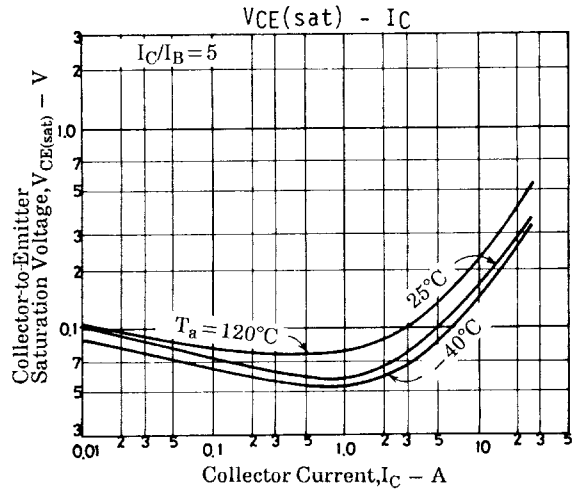
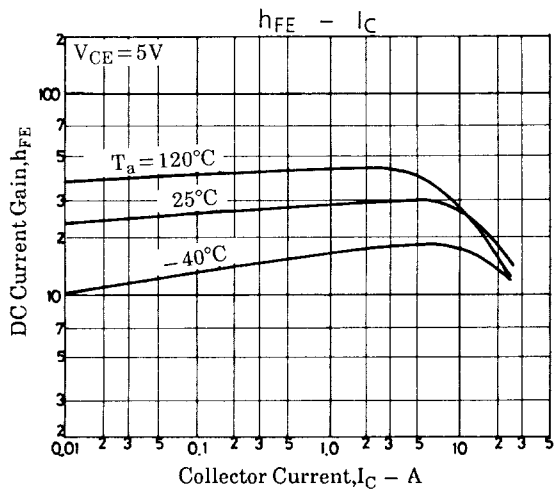
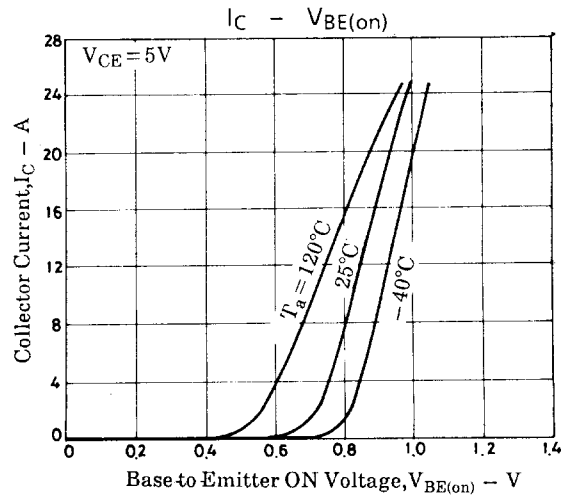
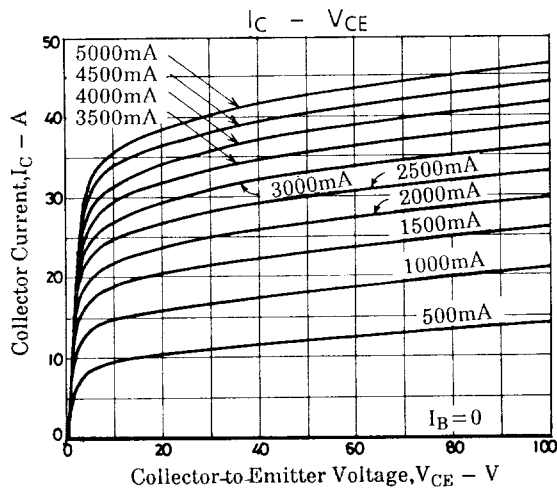
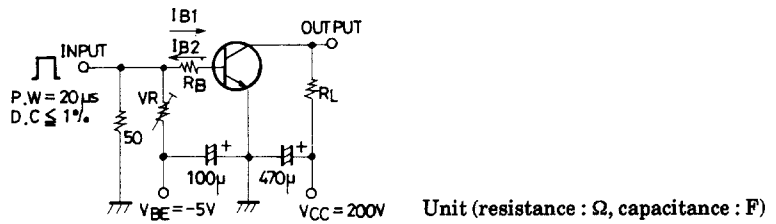


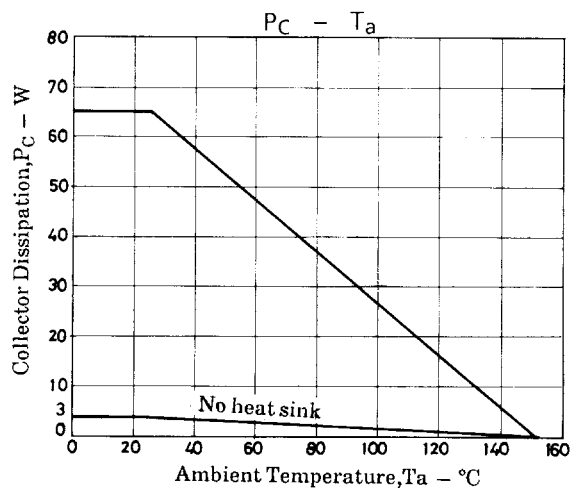
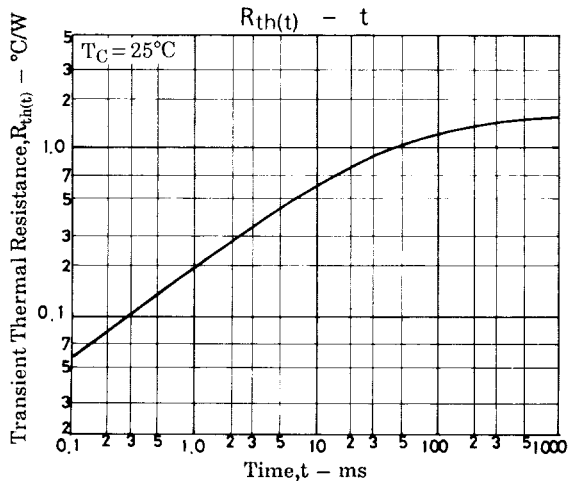
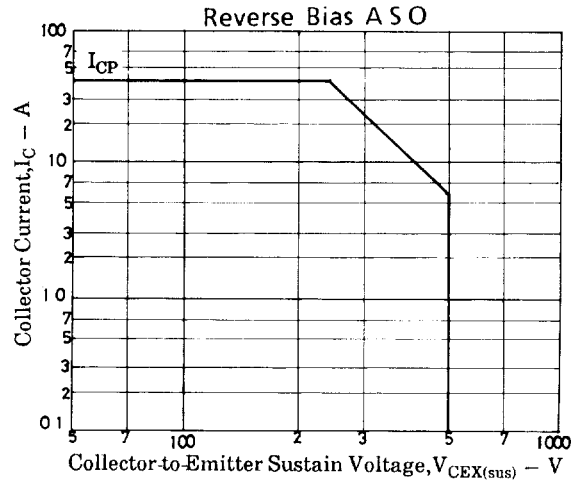
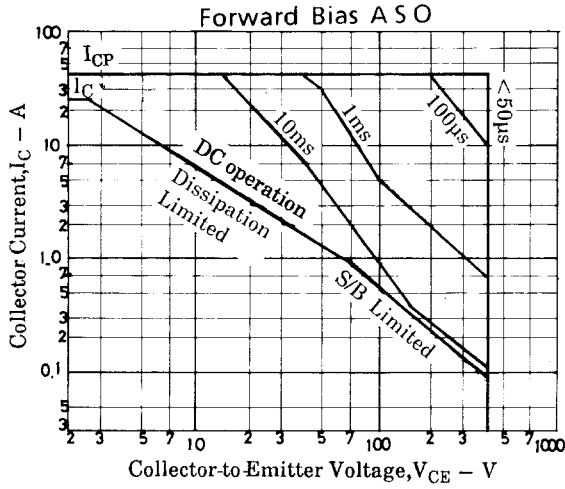
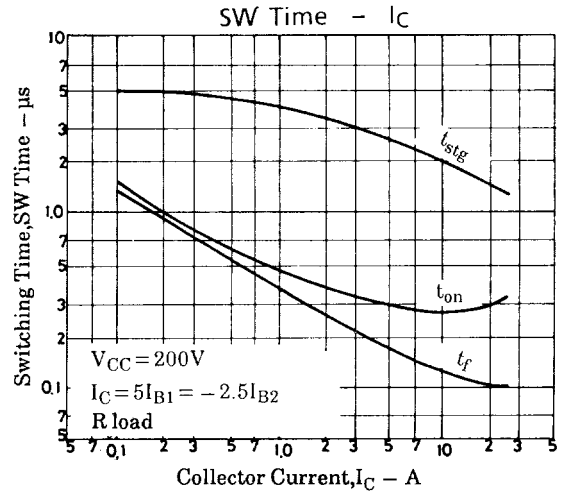
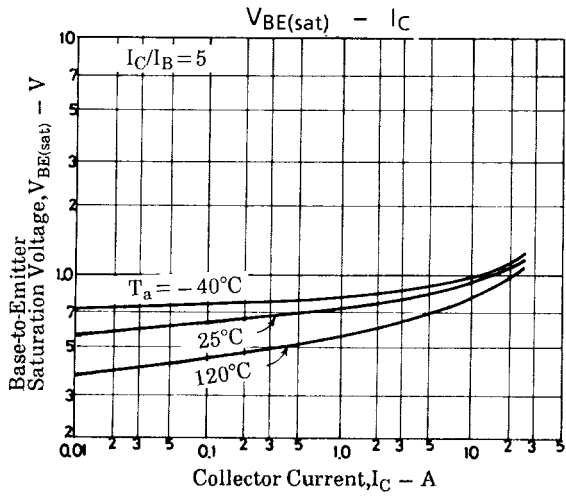
2SC4425

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=16A, I_B=3.2A$			0.8	V
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=16A, I_B=3.2A$			1.5	V
Gain-Bandwidth Product	f_T	$V_{CE}=10V, I_C=3.2A$		20		MHz
Output Capacitance	C_{ob}	$V_{CB}=10V, f=1MHz$		300		pF
Collector-to-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C=1mA, I_E=0$	500			V
Collector-to-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=10mA, R_{BE}=\infty$	400			V
Emitter-to-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=1mA, I_C=0$	7			V
Collector-to-Emitter Sustain Voltage	$V_{CEX(sus)}$	$I_C=10A, I_{B1}=1A, I_{B2}=-4A, L=200\mu H, \text{Clamped}$	400			V
Turn-ON Time	t_{on}	$I_C=20A, I_{B1}=4A, I_{B2}=-8A, R_L=10\Omega, V_{CC}=200V$			0.5	μs
Storage Time	t_{stg}	$I_C=20A, I_{B1}=4A, I_{B2}=-8A, R_L=10\Omega, V_{CC}=200V$			2.5	μs
Fall Time	t_f	$I_C=20A, I_{B1}=4A, I_{B2}=-8A, R_L=10\Omega, V_{CC}=200V$			0.3	μs

Switching Time Test Circuit



2SC4425



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