

2SC6082

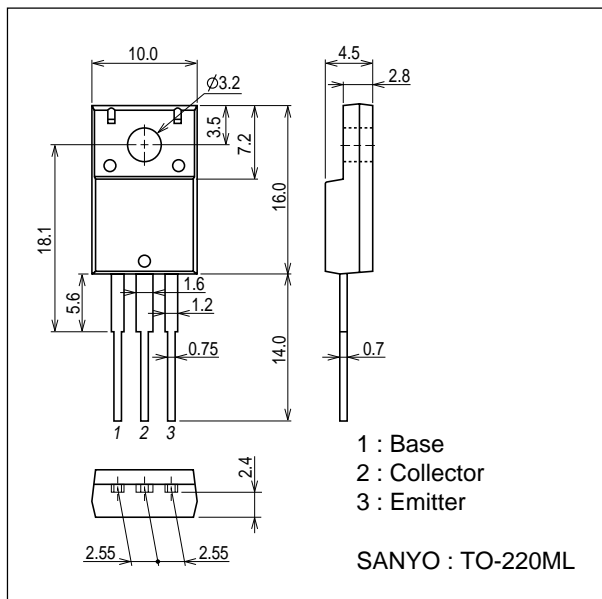
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Gain-Bandwidth Product	f_T	$V_{CE}=10V, I_C=2A$		195		MHz
Output Capacitance	C_{ob}	$V_{CB}=10V, f=1MHz$		85		pF
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=7.5A, I_B=375mA$		200	400	mV
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=7.5A, I_B=375mA$			1.2	V
Collector-to-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C=100\mu A, I_E=0A$	60			V
Collector-to-Emitter Breakdown Voltage	$V_{(BR)CES}$	$I_C=100\mu A, R_{BE}=0\Omega$	60			V
Collector-to-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=1mA, R_{BE}=\infty$	50			V
Emitter-to-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=100\mu A, I_C=0A$	6			V
Turn-ON Time	t_{on}	See specified Test Circuit.		52		ns
Storage Time	t_{stg}	See specified Test Circuit.		560		ns
Fall Time	t_f	See specified Test Circuit.		37		ns

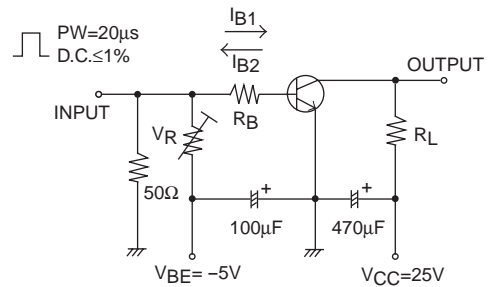
Package Dimensions

unit : mm

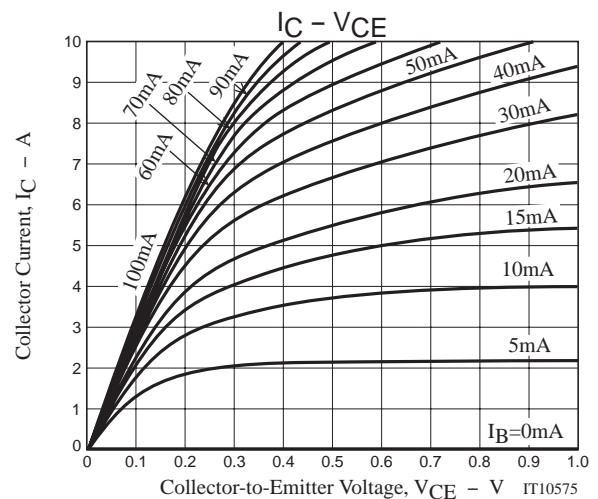
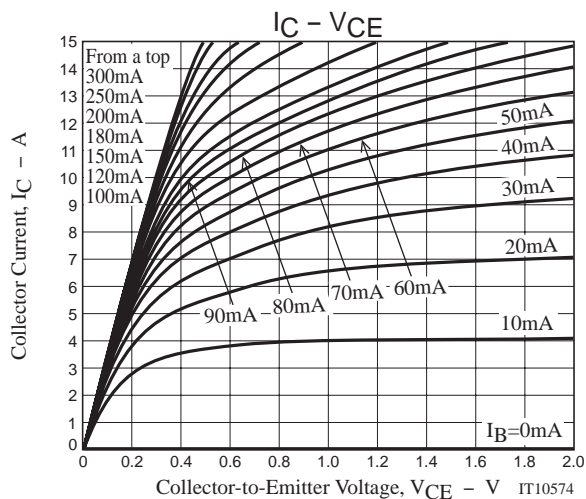
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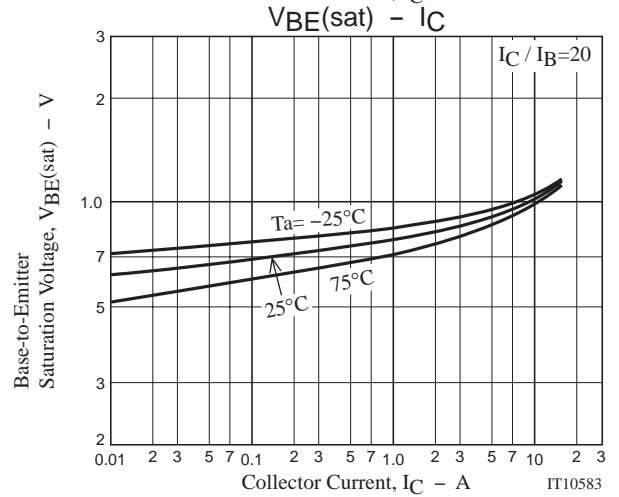
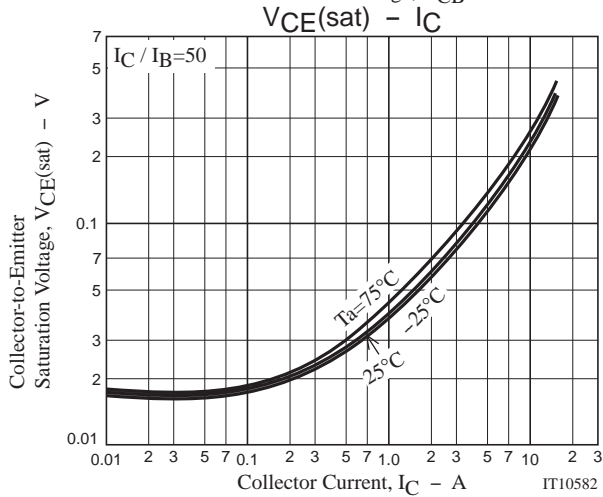
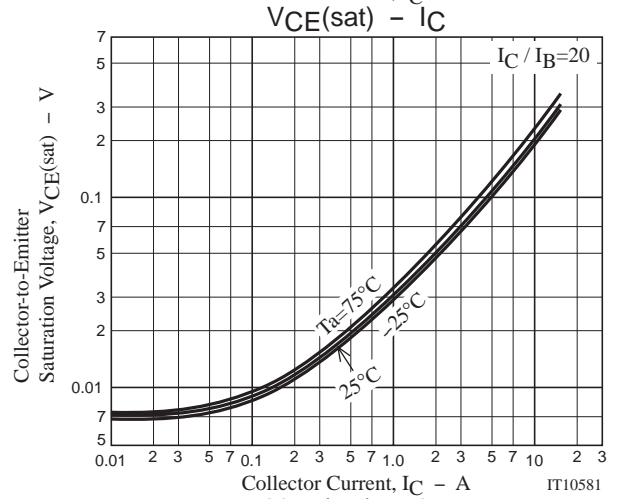
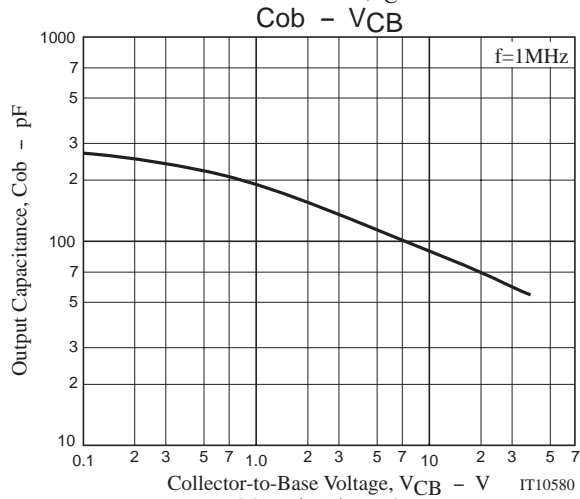
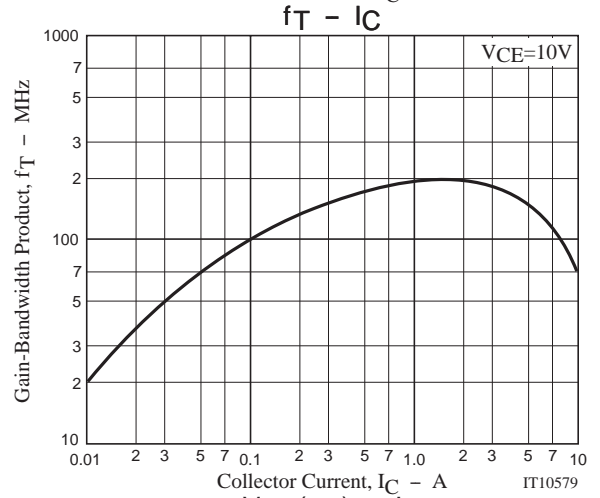
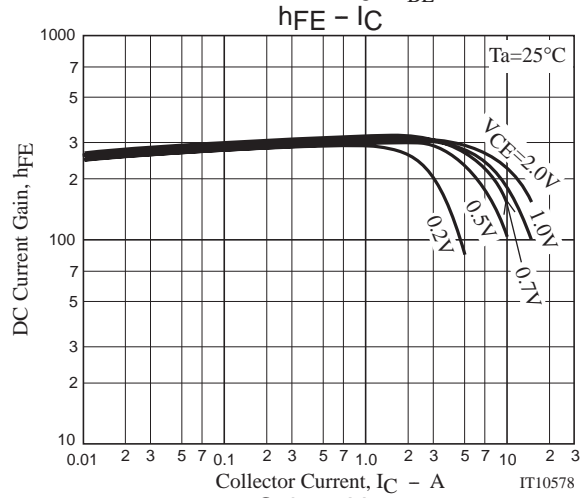
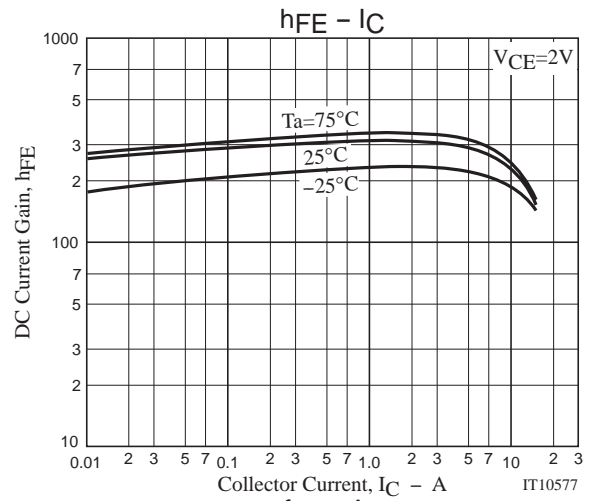
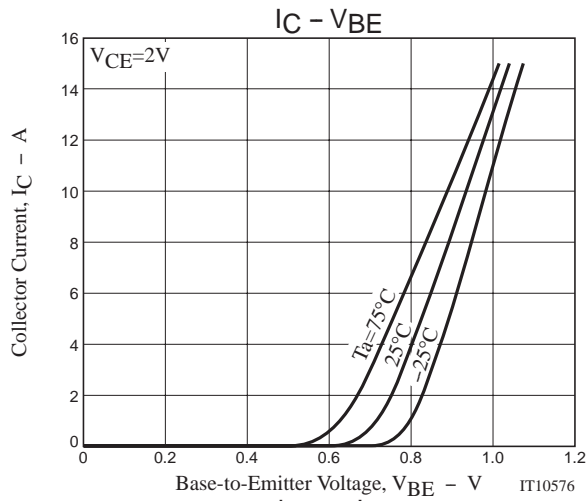


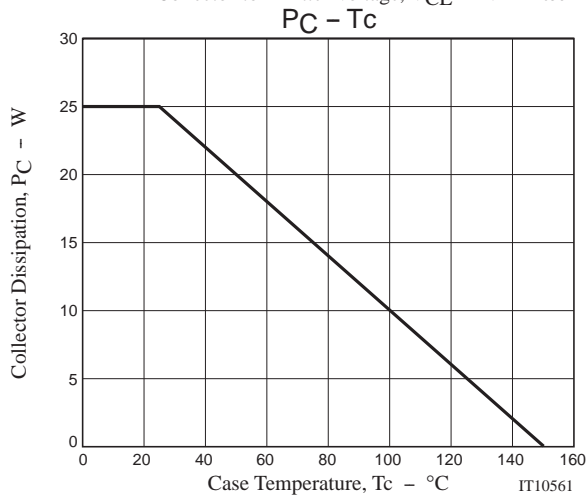
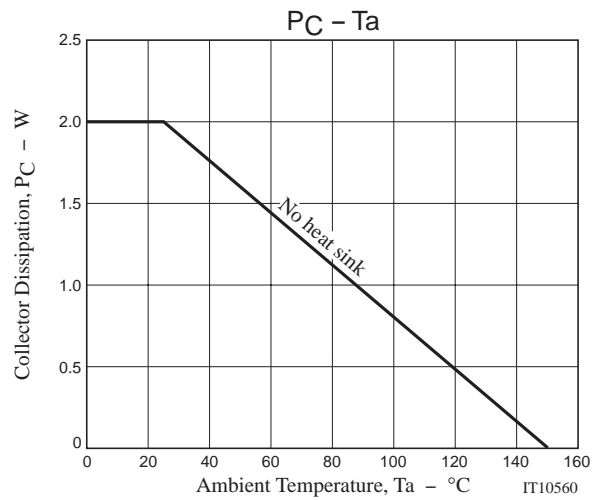
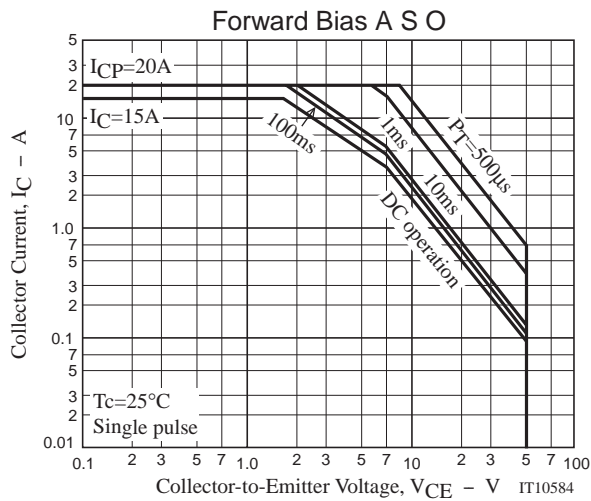
Switching Time Test Circuit



$$I_C=20I_{B1}= -20I_{B2}=5A$$







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