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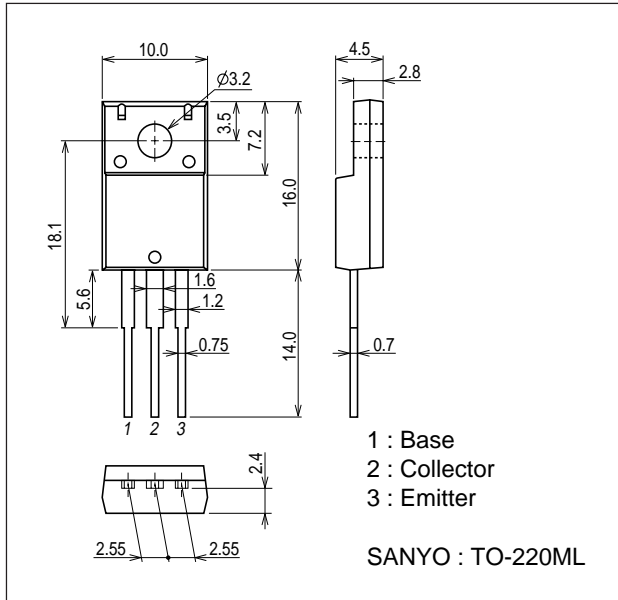
Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	I_{CBO}	$V_{CB}=-40V, I_E=0A$			-10	μA
Emitter Cutoff Current	I_{EBO}	$V_{EB}=-4V, I_C=0A$			-10	μA
DC Current Gain	h_{FE}	$V_{CE}=-2V, I_C=-270mA$	150		450	
Gain-Bandwidth Product	f_T	$V_{CE}=-10V, I_C=-1A$		230		MHz
Output Capacitance	C_{ob}	$V_{CB}=-10V, f=1MHz$		115		pF
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=-6A, I_B=-300mA$		-250	-500	mV
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=-6A, I_B=-300mA$			-1.2	V
Collector-to-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C=-100\mu A, I_E=0A$	-50			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.		40		ns
Storage Time	t_{stg}	See specified Test Circuit.		240		ns
Fall Time	t_f	See specified Test Circuit.		22		ns

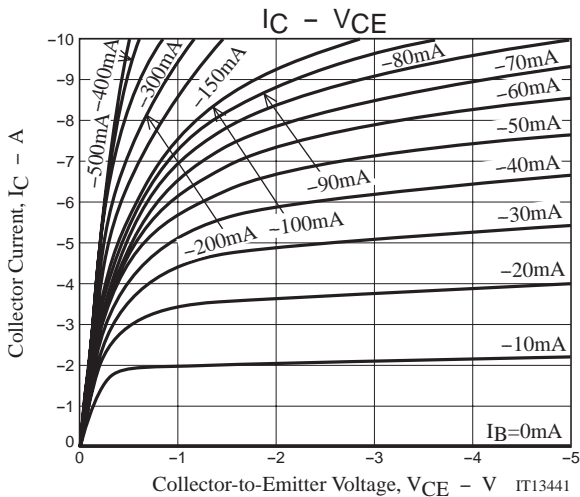
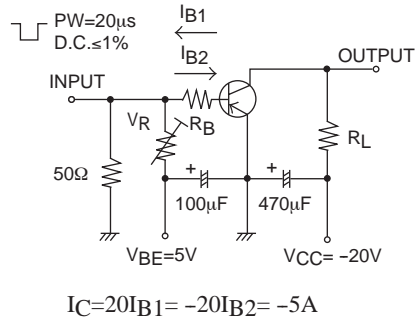
Package Dimensions

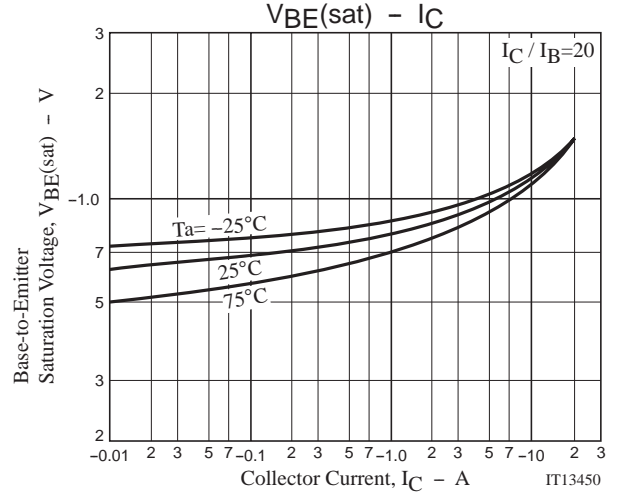
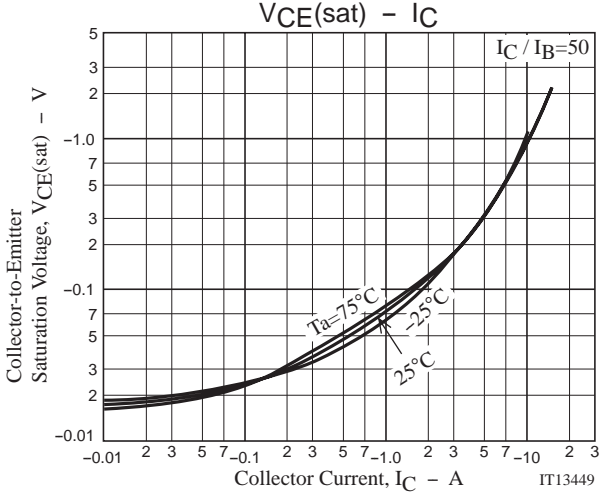
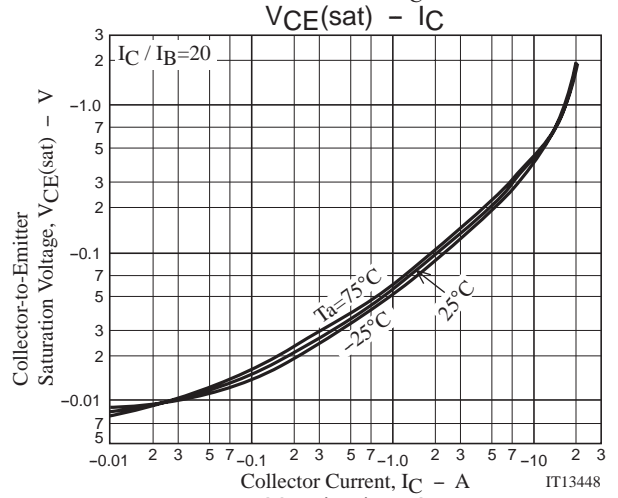
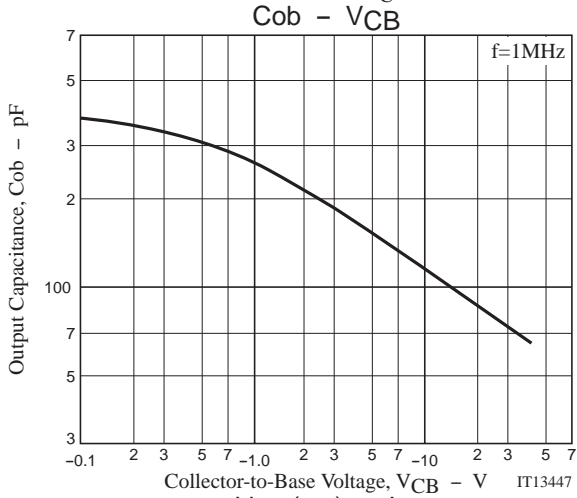
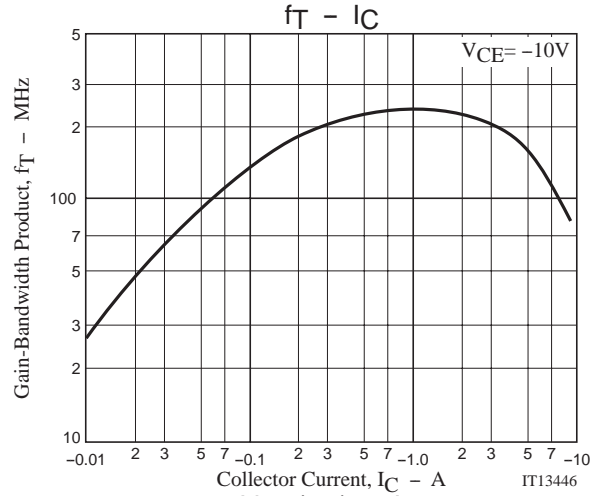
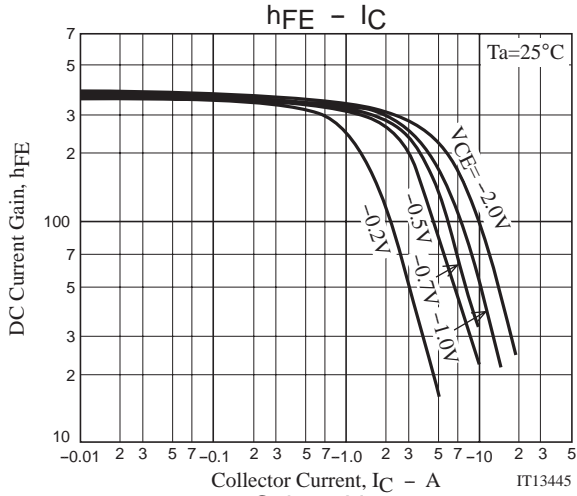
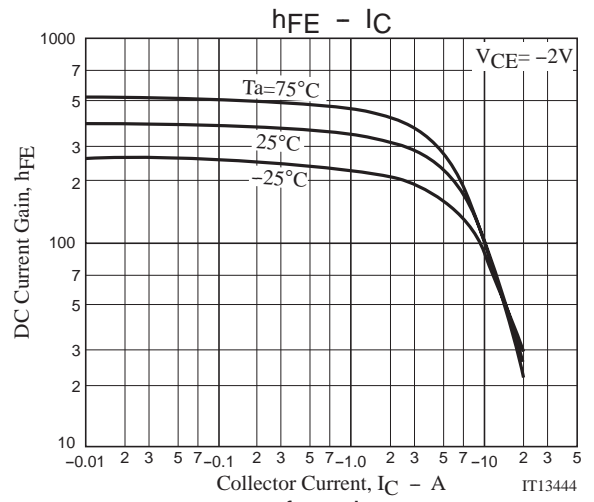
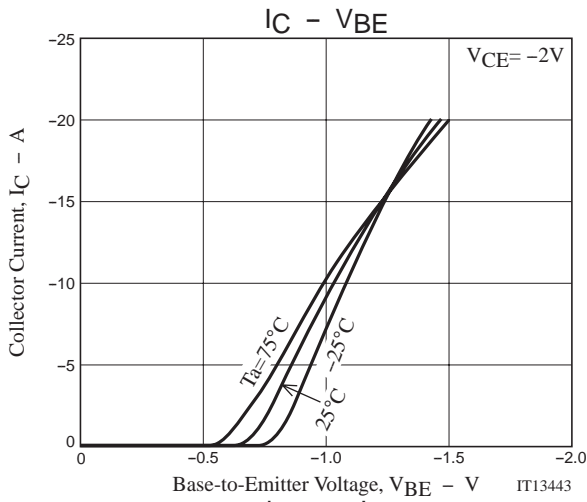
unit : mm (typ)

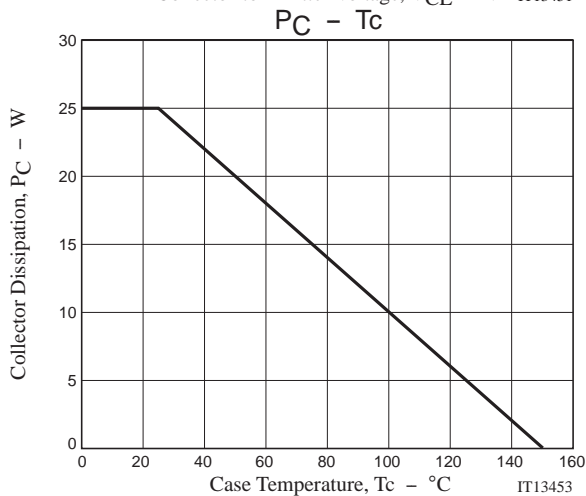
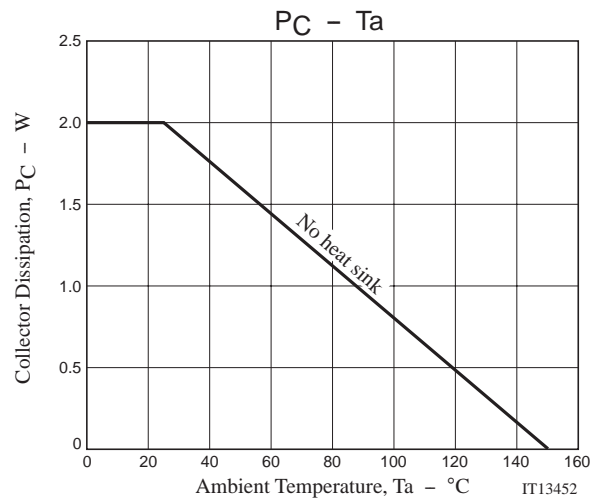
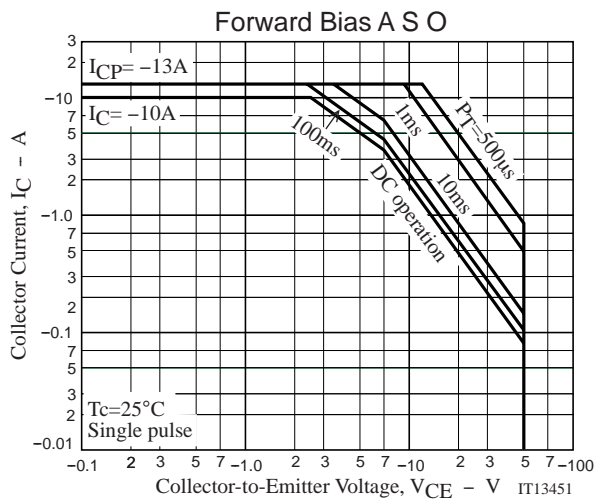
7508-002



Switching Time Test Circuit







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