

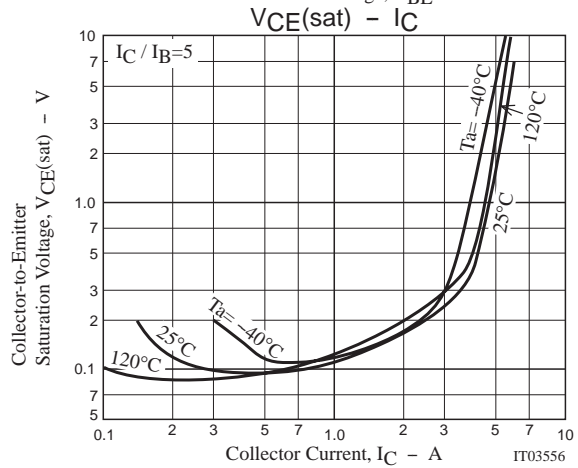
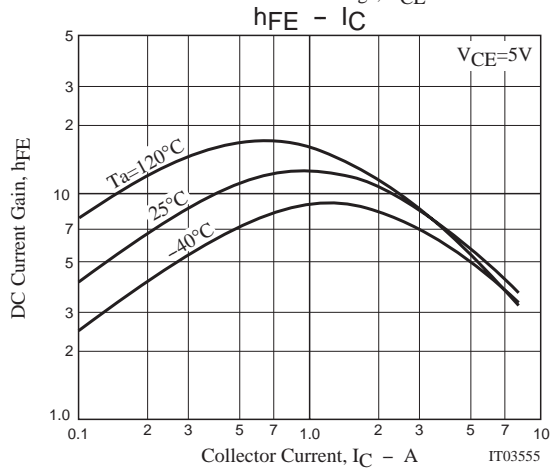
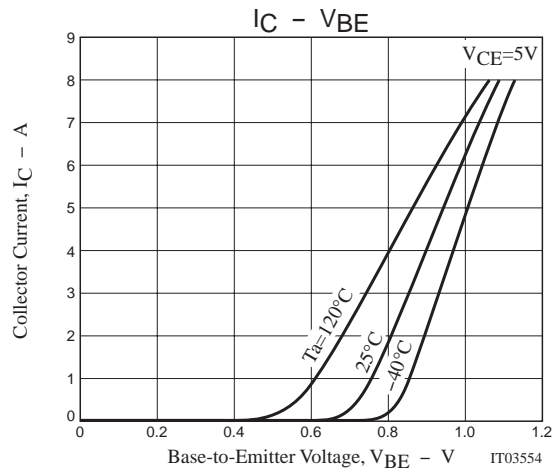
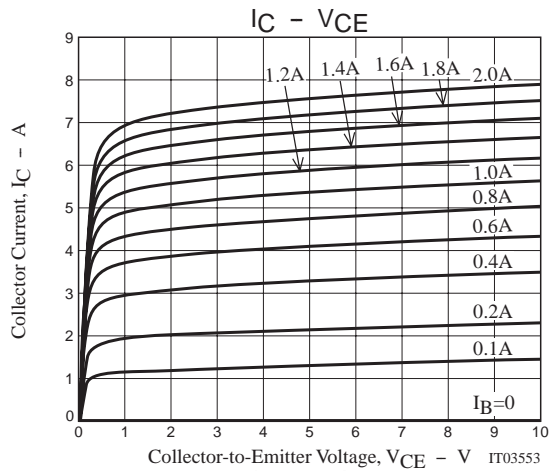
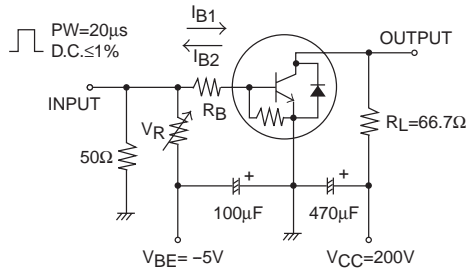


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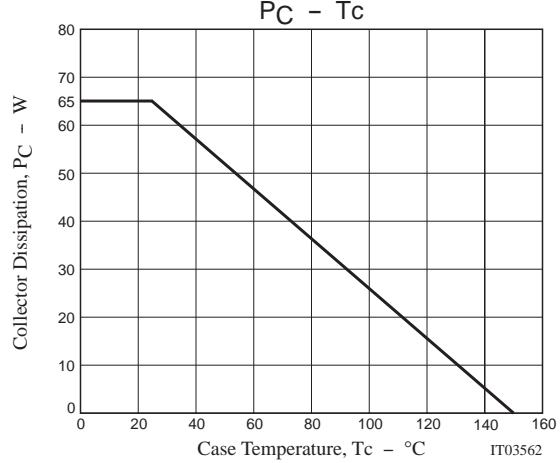
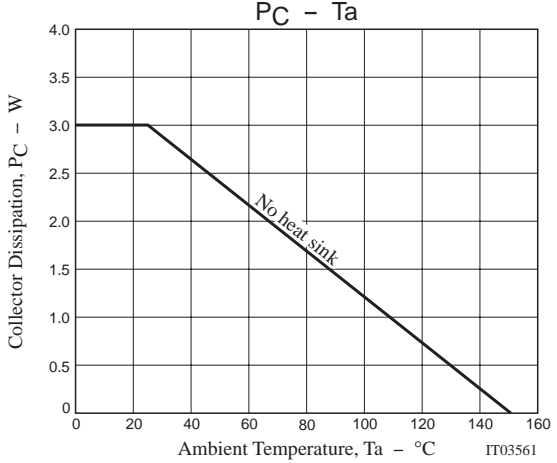
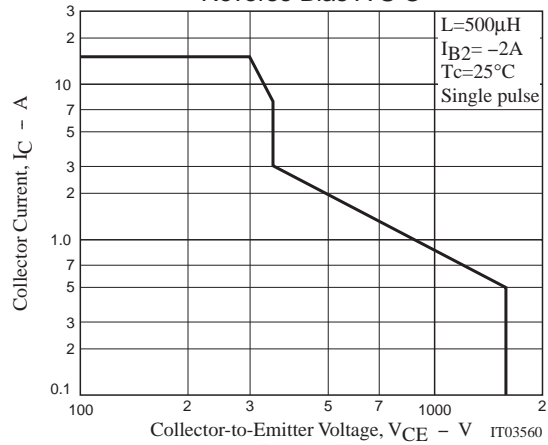
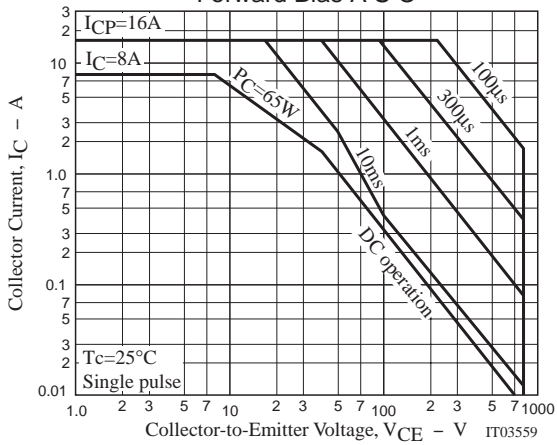
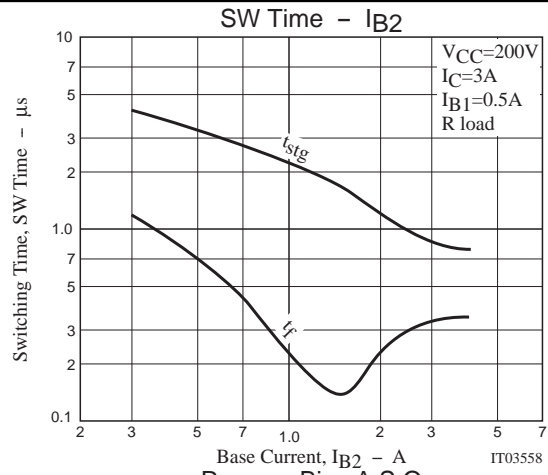
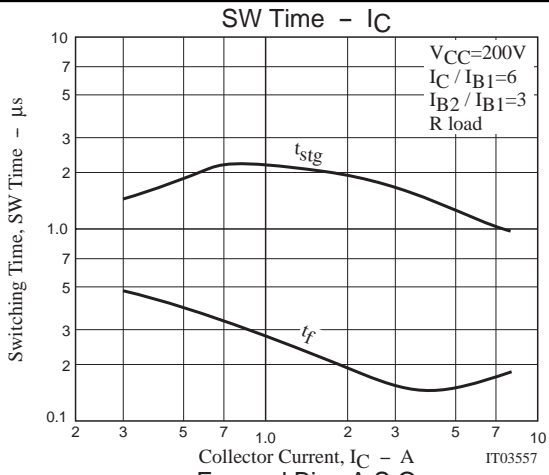
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
DC Current Gain	$h_{FE1}$	$V_{CE}=5V, I_C=1A$	8			
	$h_{FE2}$	$V_{CE}=5V, I_C=4.5A$	4		7	
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=4A, I_B=1A$			3.0	V
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=4A, I_B=1A$			1.5	V
Storage Time	$t_{stg}$	$I_C=3A, I_{B1}=0.5A, I_{B2}=-1.5A$			3.0	$\mu s$
Fall Time	$t_f$	$I_C=3A, I_{B1}=0.5A, I_{B2}=-1.5A$			0.2	$\mu s$
Diode Forward Voltage	$V_F$	$I_{EC}=6.5A$			2.2	V

## Switching Time Test Circuit



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