

2SA1740 / 2SC4548

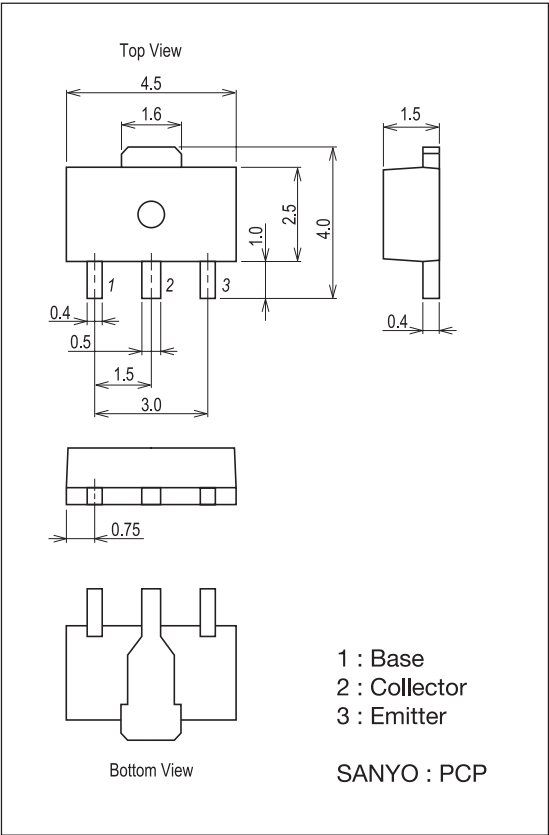
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Gain-Bandwidth Product	f_T	$V_{CE}=(-)30V, I_C=(-)10mA$		70		MHz
Output Capacitance	C_{ob}	$V_{CB}=(-)30V, f=1MHz$		(5)4		pF
Reverse Transfer Capacitance	C_{re}	$V_{CB}=(-)30V, f=1MHz$		(4)3		pF
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=(-)50mA, I_B=(-)5mA$			$(-0.8)0.6$	V
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=(-)50mA, I_B=(-)5mA$			$(-)1.0$	V
Collector-to-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C=(-)10\mu A, I_E=0A$	$(-)400$			V
Collector-to-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=(-)1mA, R_{BE}=\infty$	$(-)400$			V
Emitter-to-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=(-)10\mu A, I_C=0A$	$(-)5$			V
Turn-ON Time	t_{on}	See specified Test Circuit.		0.25		μs
Turn-DFF Time	t_{off}	See specified Test Circuit.		5.0		μs

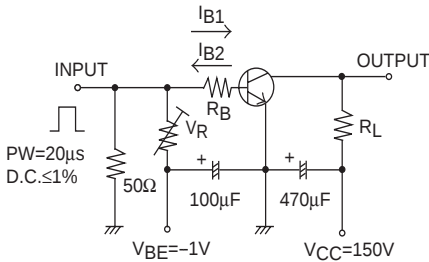
Package Dimensions

unit : mm (typ)

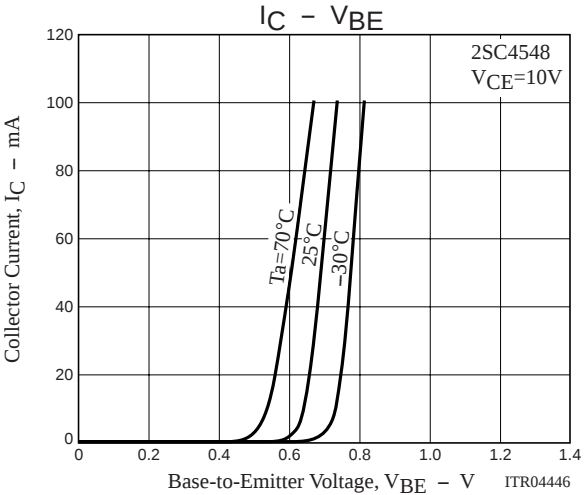
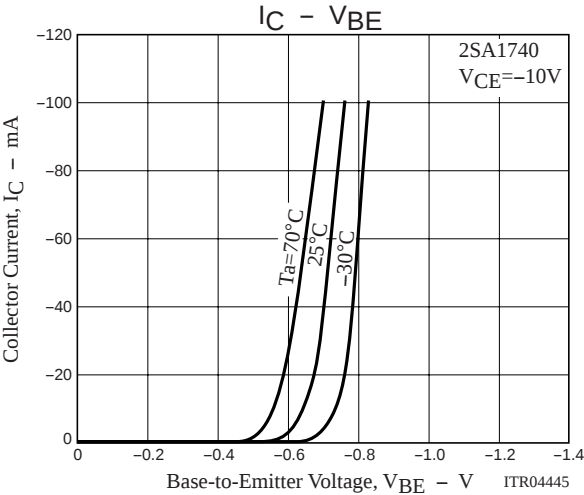
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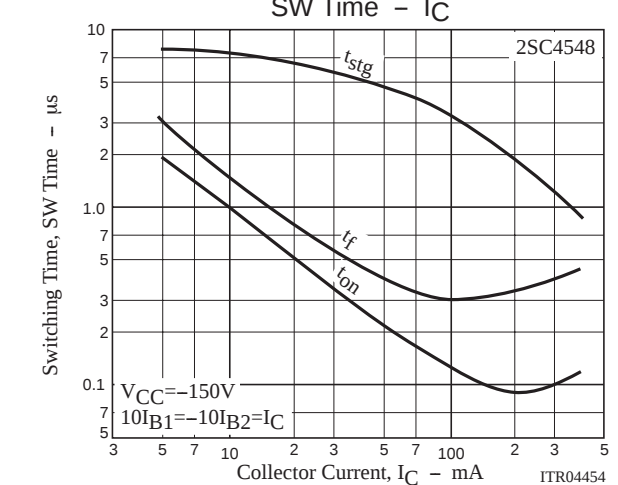
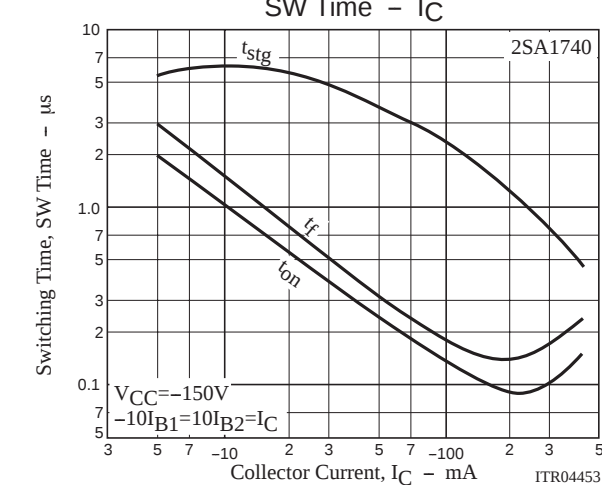
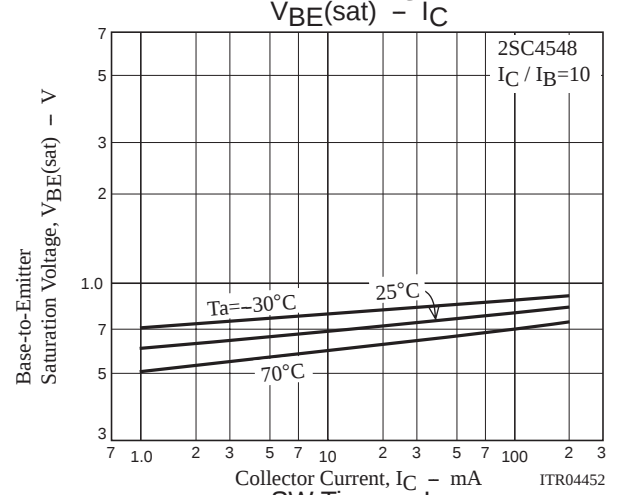
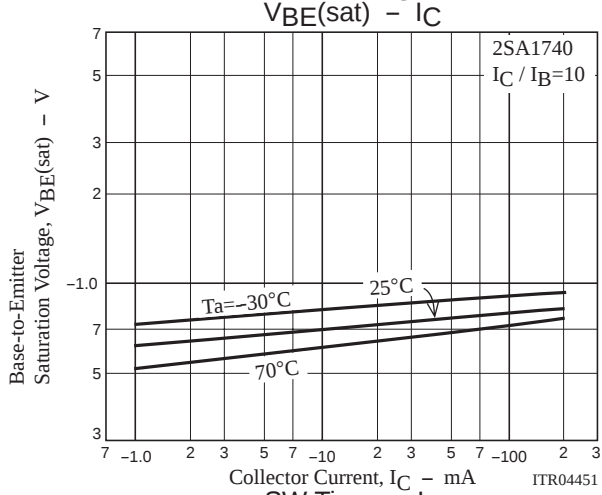
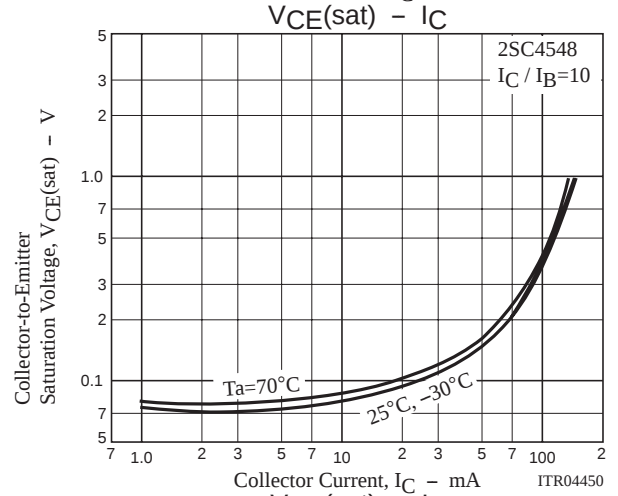
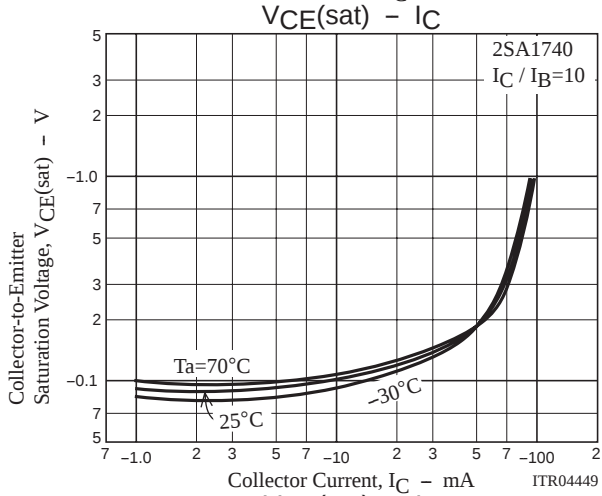
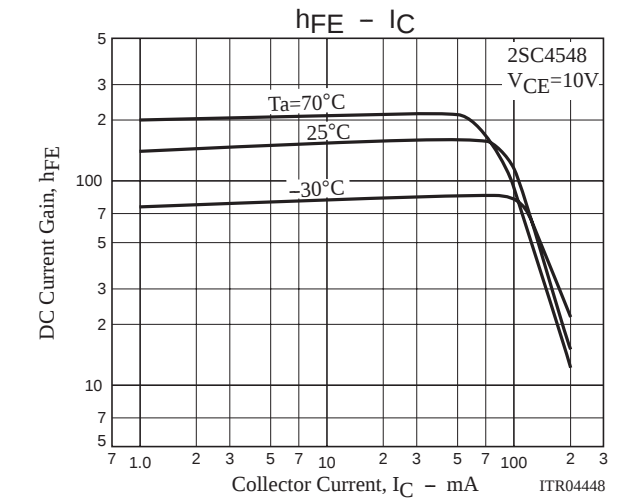
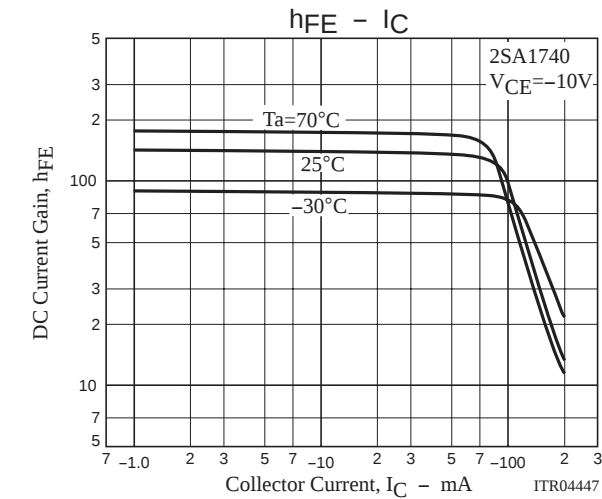


Switching Time Test Circuit

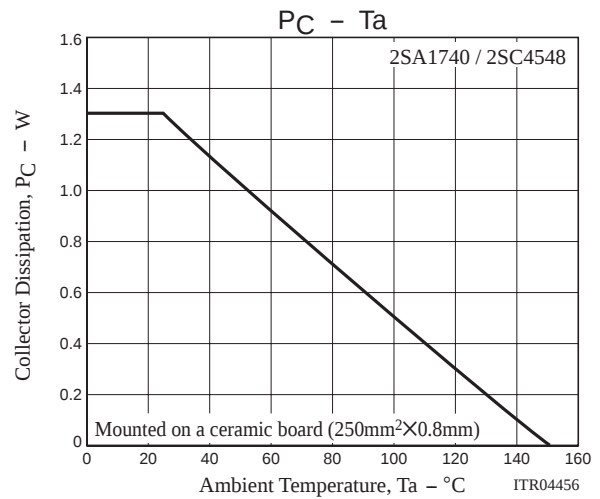
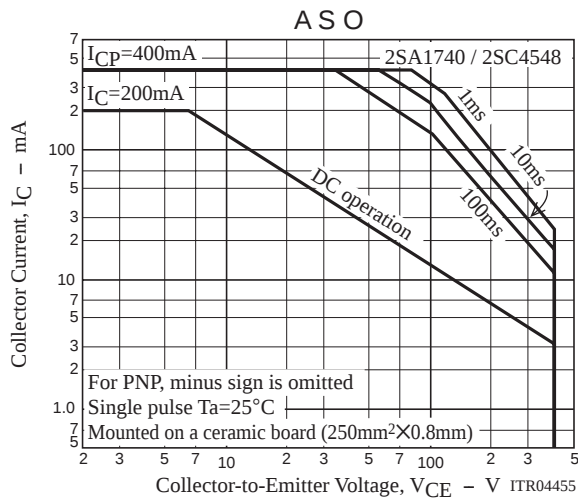


$I_C=10I_{B1}= -10I_{B2}=50mA$
 $R_L=3k\Omega, R_B=200\Omega$ at $I_C=50mA$
For PNP, the polarity is reversed





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