

CPH3110 / CPH3210

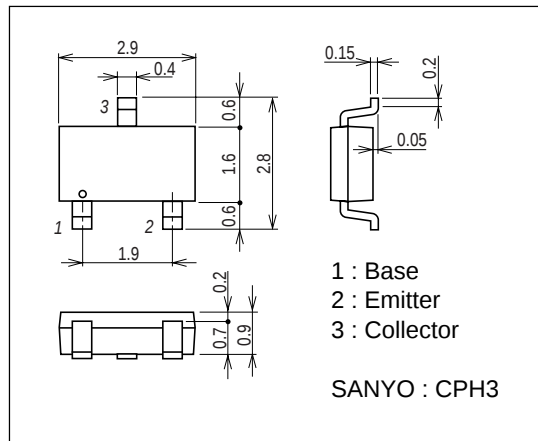
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Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector-to-Emitter Saturation Voltage	$V_{CE(sat)}$	$I_C=(-)2.5A, I_B=(-)50mA$		(-140)110	(-210)165	mV
Base-to-Emitter Saturation Voltage	$V_{BE(sat)}$	$I_C=(-)2.5A, I_B=(-)50mA$		(-0.81)0.82	(-)1.2	V
Collector-to-Base Breakdown Voltage	$V_{(BR)CBO}$	$I_C=(-)10\mu A, I_E=0$	(-30)40			V
Collector-to-Emitter Breakdown Voltage	$V_{(BR)CEO}$	$I_C=(-)1mA, R_{BE}=\infty$	(-)30			V
Emitter-to-Base Breakdown Voltage	$V_{(BR)EBO}$	$I_E=(-)10\mu A, I_C=0$	(-)6			V
Turn-ON Time	t_{on}	See specified Test Circuit.		(30)30		ns
Storage Time	t_{stg}	See specified Test Circuit.		(190)320		ns
Fall Time	t_f	See specified Test Circuit.		(17)14		ns

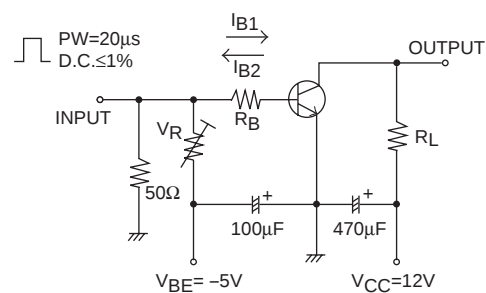
Package Dimensions

unit : mm

2150A

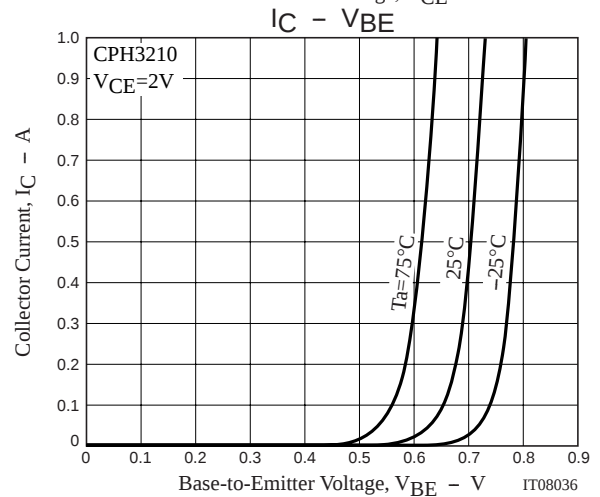
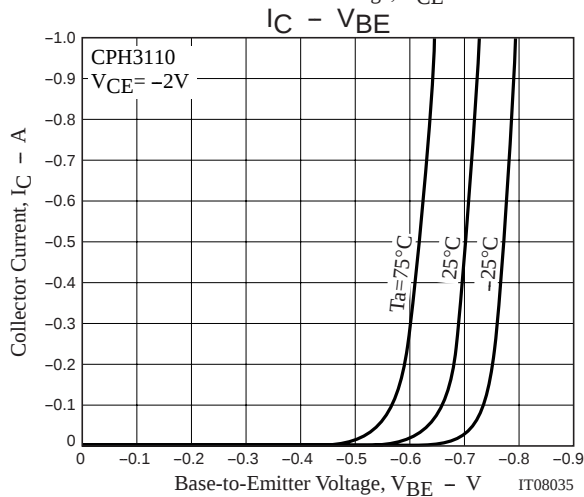
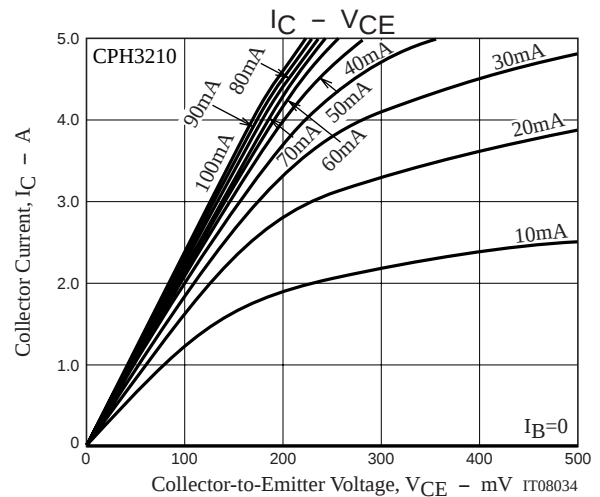
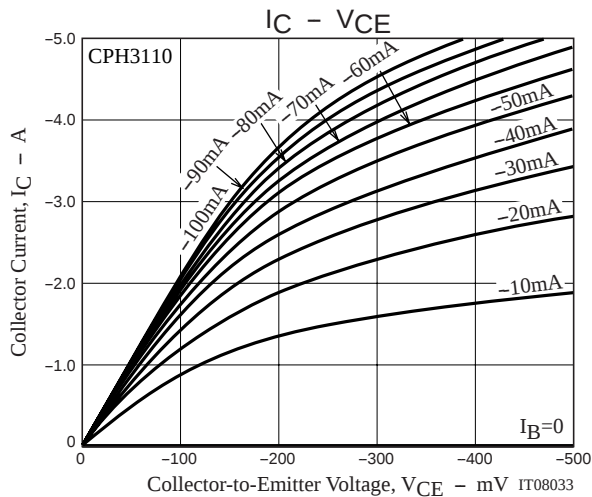


Switching Time Test Circuit

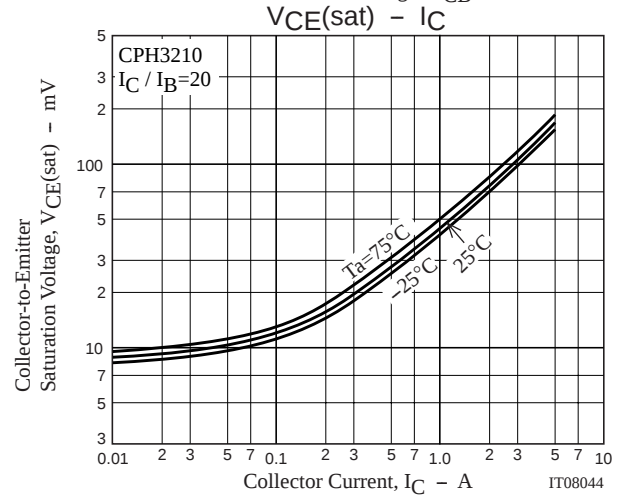
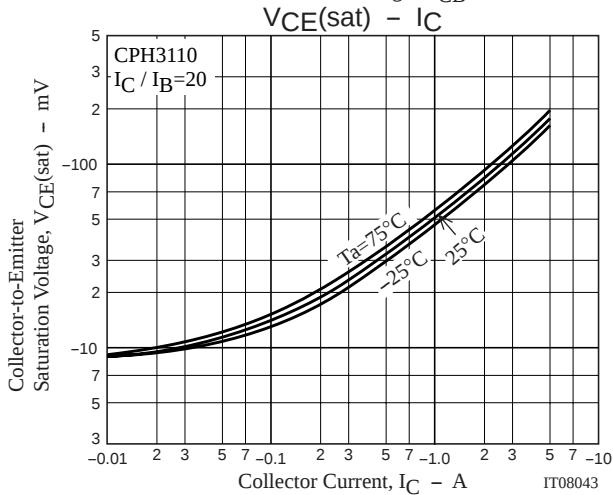
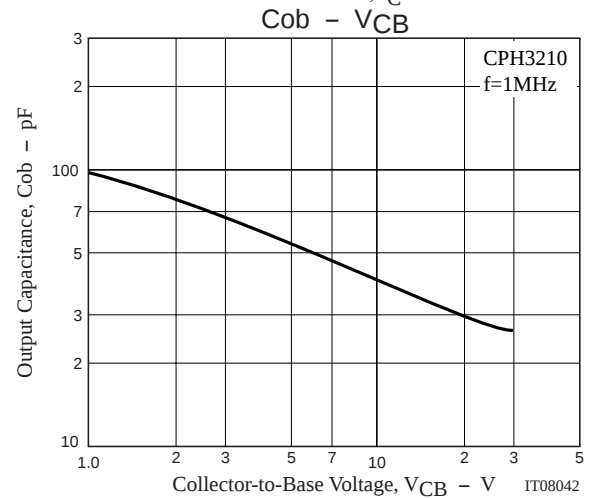
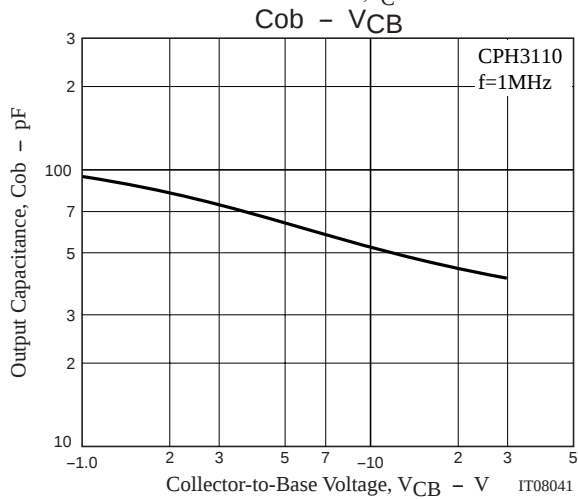
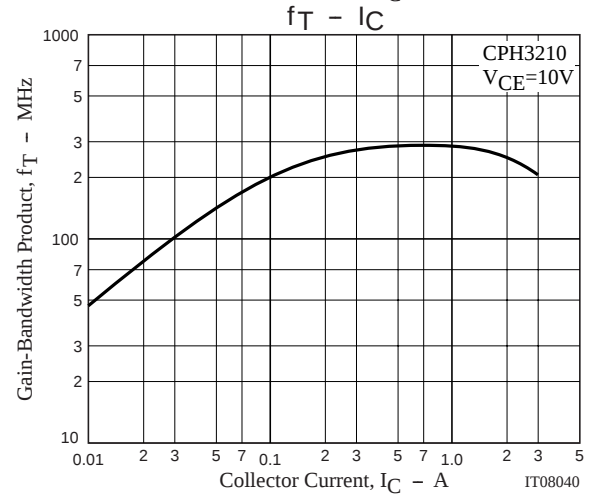
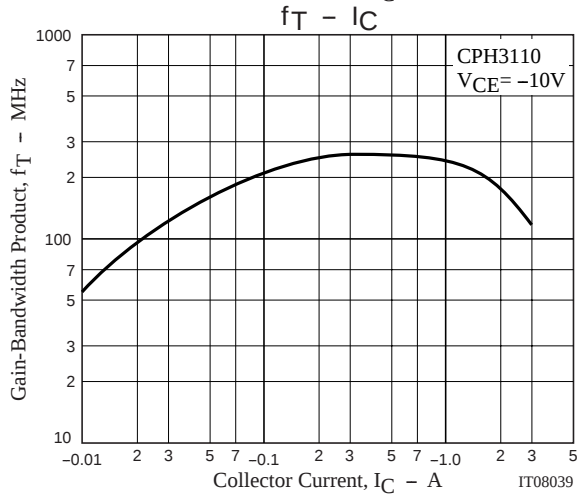
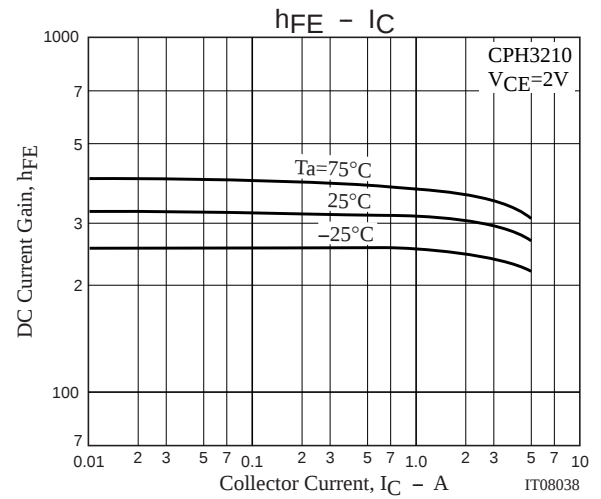
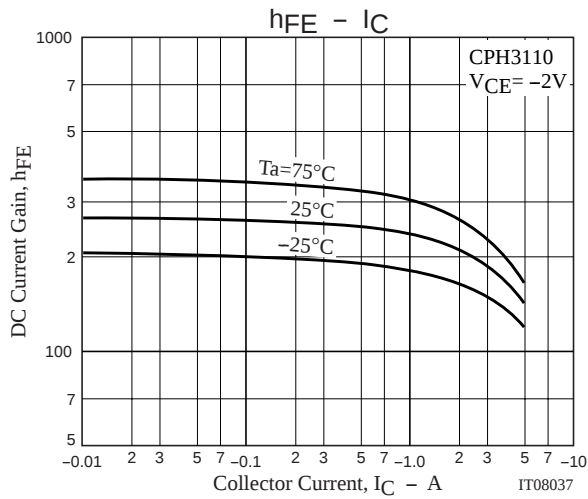


$$20I_{B1} = -20I_{B2} = I_C = 2.5A$$

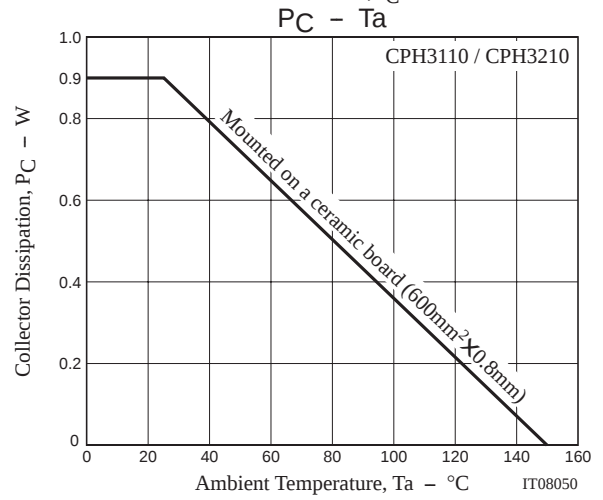
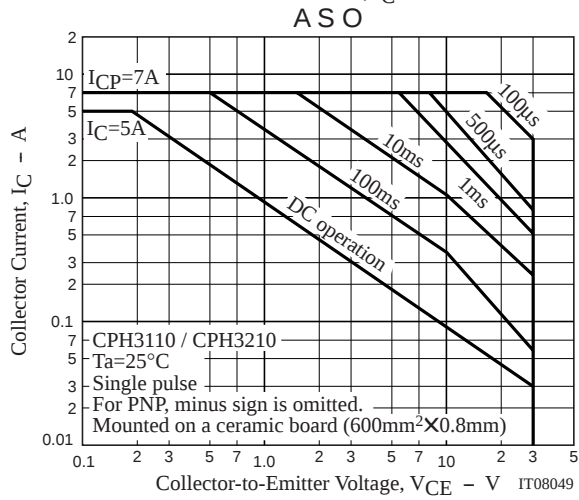
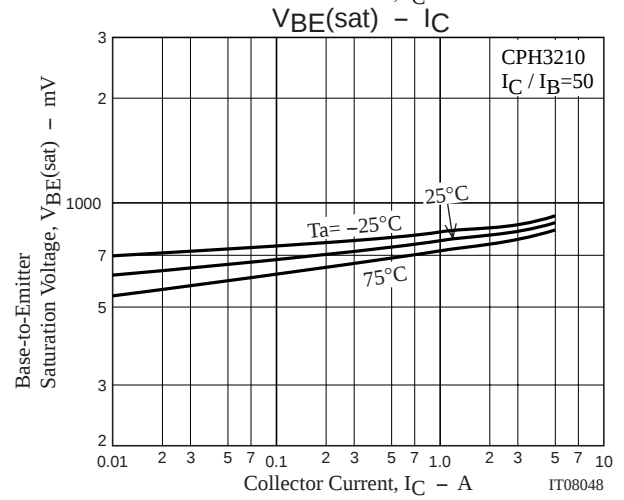
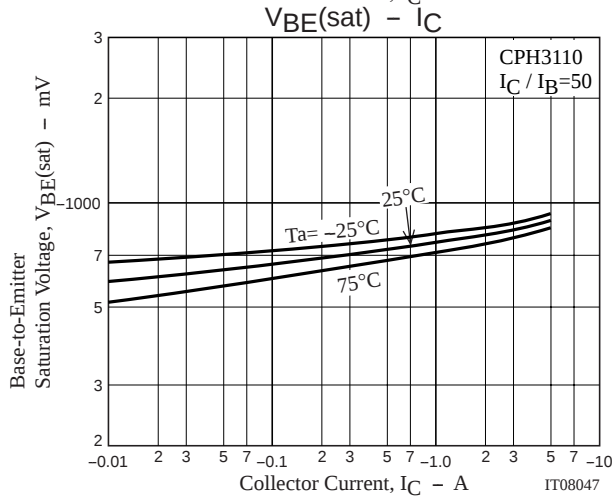
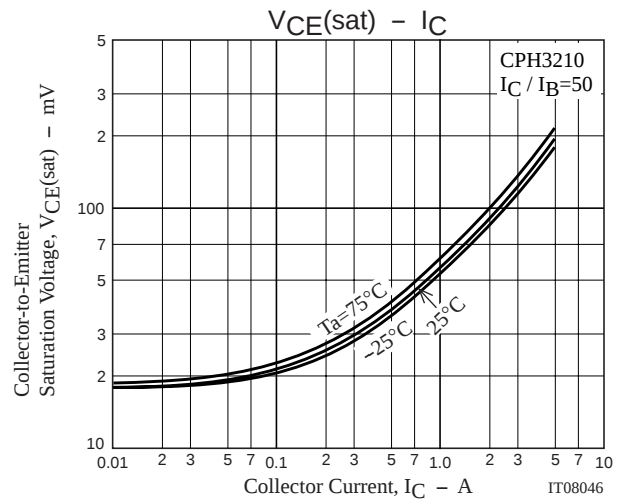
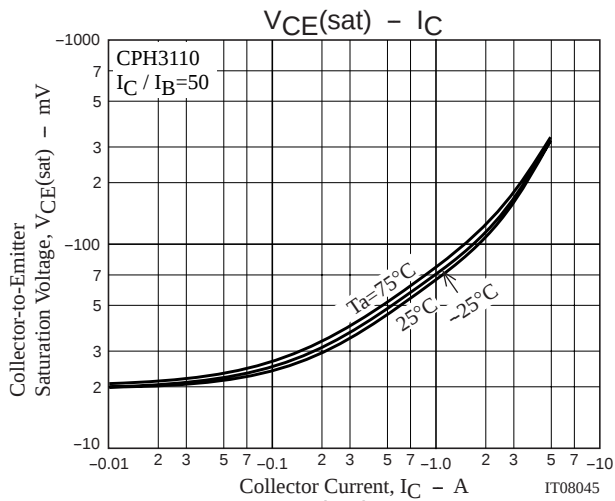
For PNP, the polarity is reversed.



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