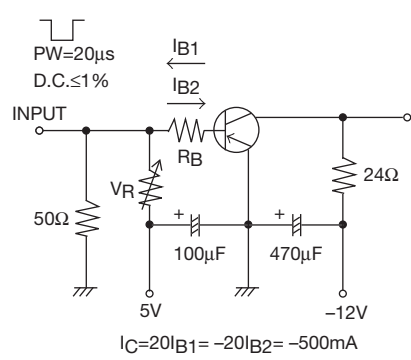


CPH5505

Electrical Characteristics at Ta=25°C

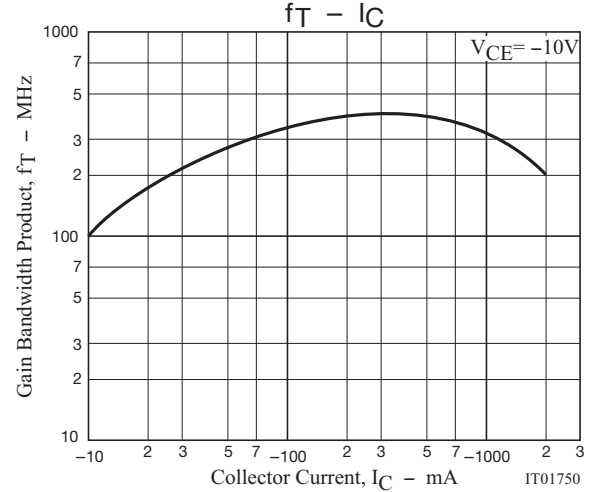
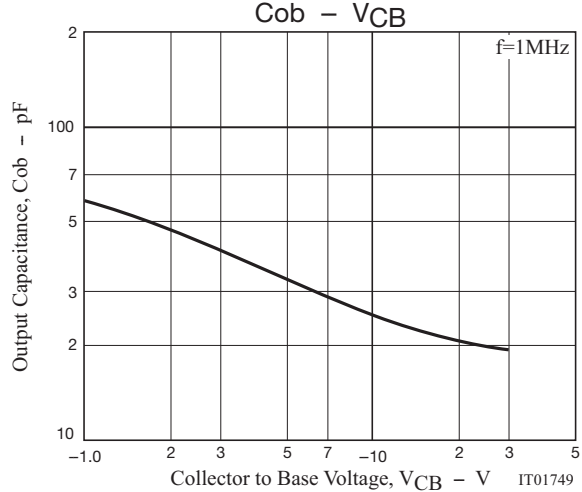
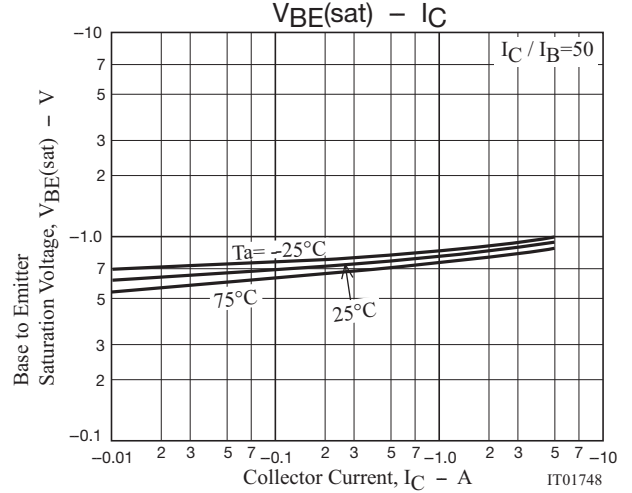
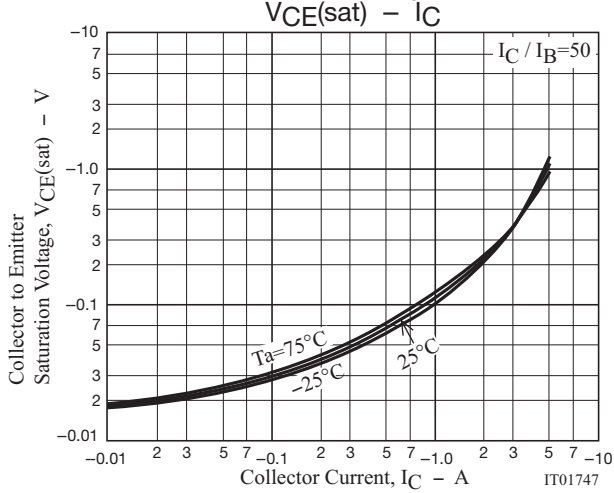
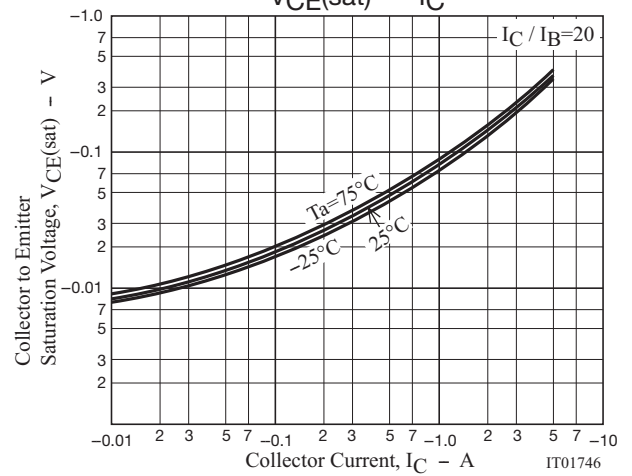
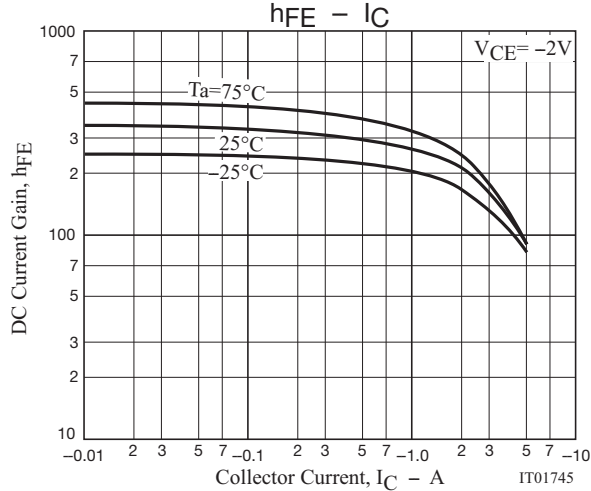
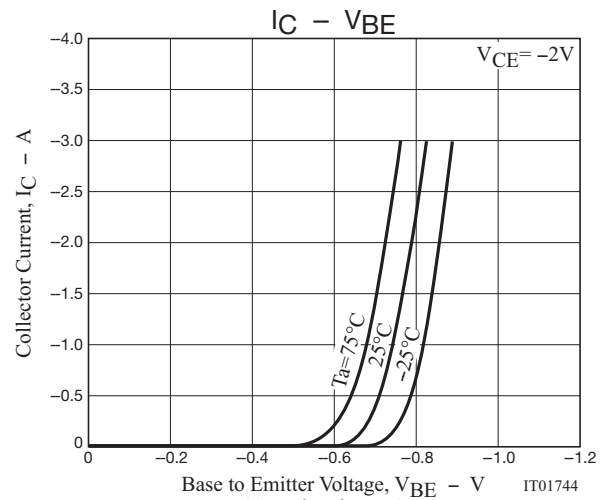
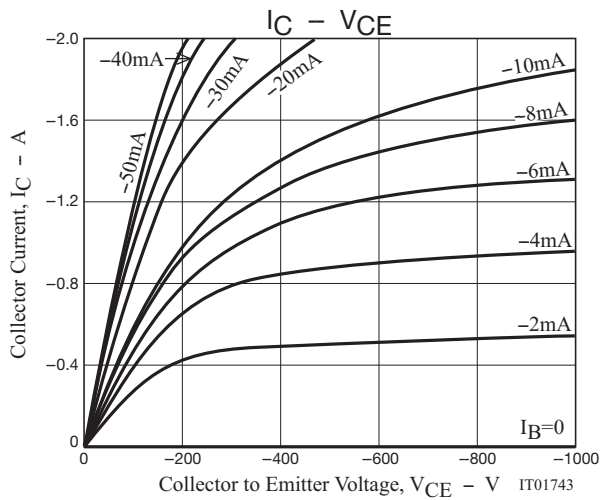
Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	ICBO	V _{CB} = -30V, I _E =0A			-0.1	μA
Emitter Cutoff Current	IEBO	V _{EB} = -4V, I _C =0A			-0.1	μA
DC Current Gain	h _{FE}	V _{CE} = -2V, I _C = -500mA	200		560	
Gain-Bandwidth Product	f _T	V _{CE} = -10V, I _C = -500mA		380		MHz
Output Capacitance	Cob	V _{CB} = -10V, f=1MHz		25		pF
Collector to Emitter Saturation Voltage	V _{CE(sat)1}	I _C = -1.5A, I _B = -30mA		-155	-230	mV
	V _{CE(sat)2}	I _C = -1.5A, I _B = -75mA		-105	-155	mV
Base to Emitter Saturation Voltage	V _{BE(sat)}	I _C = -1.5A, I _B = -30mA		-0.83	-1.2	V
Collector to Base Breakdown Voltage	V _{(BR)CBO}	I _C = -10μA, I _E =0A	-30			V
Collector to Emitter Breakdown Voltage	V _{(BR)CEO}	I _C = -1mA, R _{BE} =∞	-30			V
Emitter to Base Breakdown Voltage	V _{(BR)EBO}	I _E = -10μA, I _C =0A	-5			V
Turn-ON Time	t _{on}	See specified Test Circuit.		50		ns
Storage Time	t _{stg}			270		ns
Turn-OFF Time	t _f			25		ns

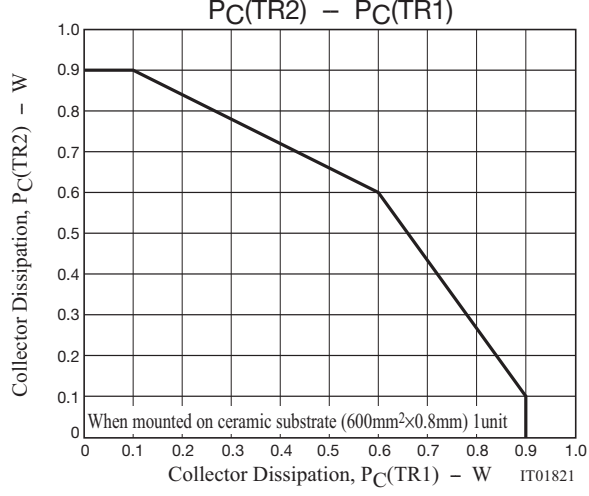
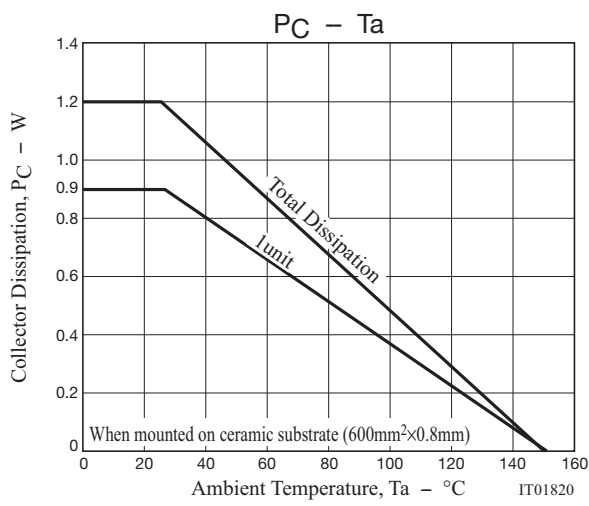
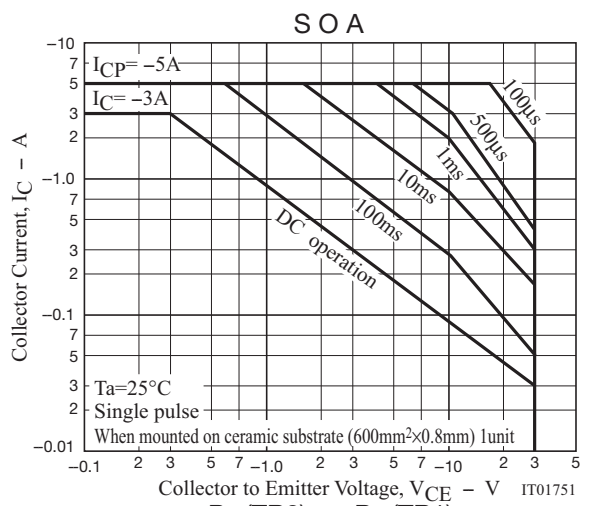
Switching Time Test Circuit



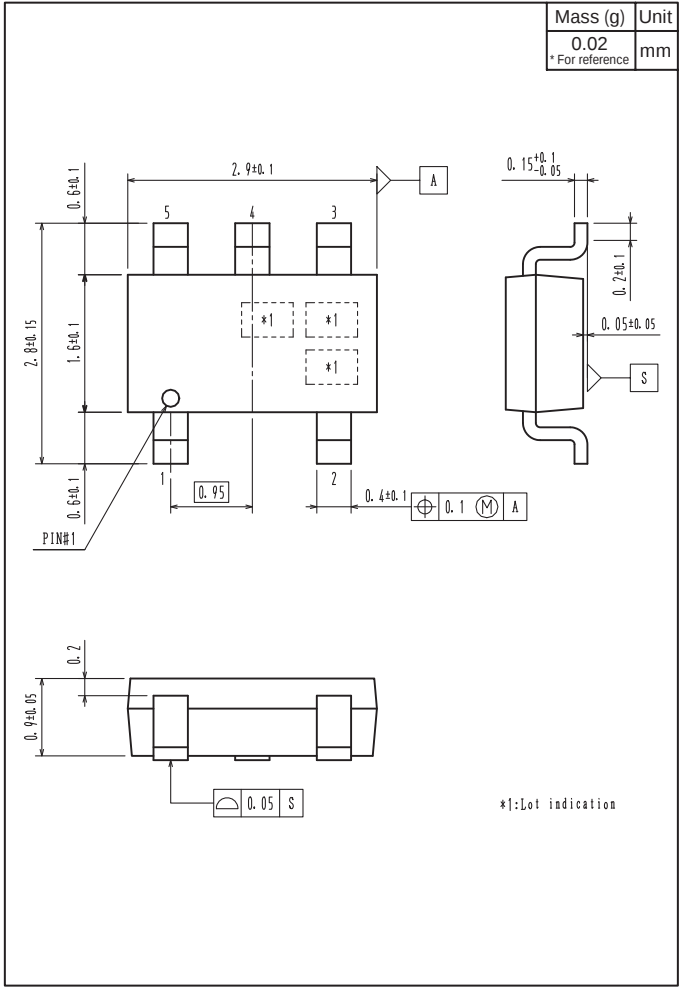
Ordering Information

Device	Package	Shipping	memo
CPH5505-TL-E	CPH5	3,000pcs./reel	Pb Free

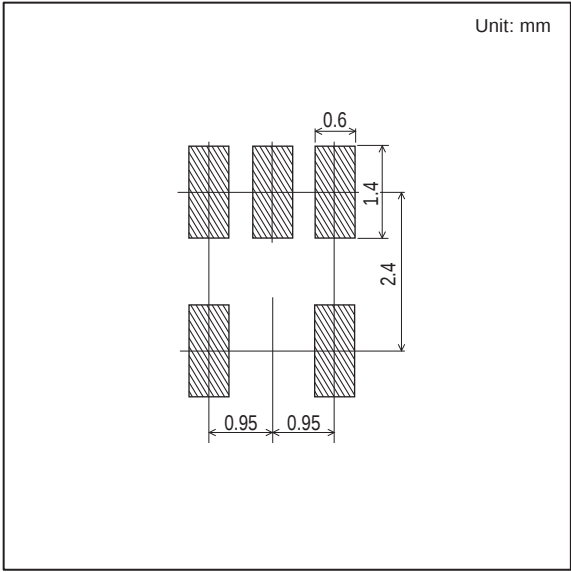




Outline Drawing
CPH5505-TL-E



Land Pattern Example



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