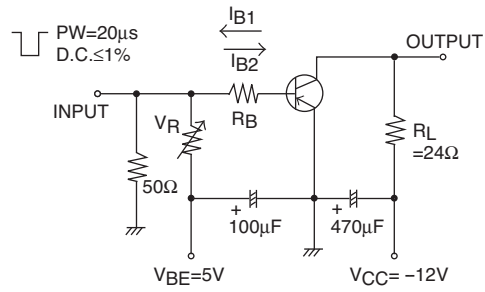


Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	ICBO	VCE= -30V, IE=0A			-0.1	μA
Emitter Cutoff Current	IEBO	VEB= -4V, IC=0A			-0.1	μA
DC Current Gain	hFE	VCE= -2V, IC= -500mA	200		560	
Gain-Bandwidth Product	fT	VCE= -10V, IC= -500mA		400		MHz
Output Capacitance	Cob	VCE= -10V, f=1MHz		25		pF
Collector to Emitter Saturation Voltage	VCE(sat)1	IC= -1.5A, IB= -30mA		-180	-270	mV
	VCE(sat)2	IC= -1.5A, IB= -75mA		-120	-180	mV
Base to Emitter Saturation Voltage	VBE(sat)	IC= -1.5A, IB= -30mA		-0.83	-1.2	V
Collector to Base Breakdown Voltage	V(BR)CBO	IC= -10μA, IE=0A	-30			V
Collector to Emitter Breakdown Voltage	V(BR)CEO	IC= -1mA, RE=∞	-30			V
Emitter to Base Breakdown Voltage	V(BR)EBO	IE= -10μA, IC=0A	-5			V
Turn-ON Time	ton	See specified Test Circuit.		50		ns
Storage Time	tstg			270		ns
Fall Time	tf			27		ns

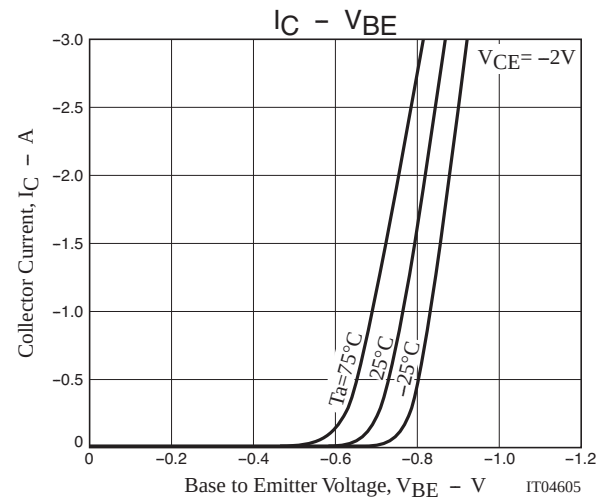
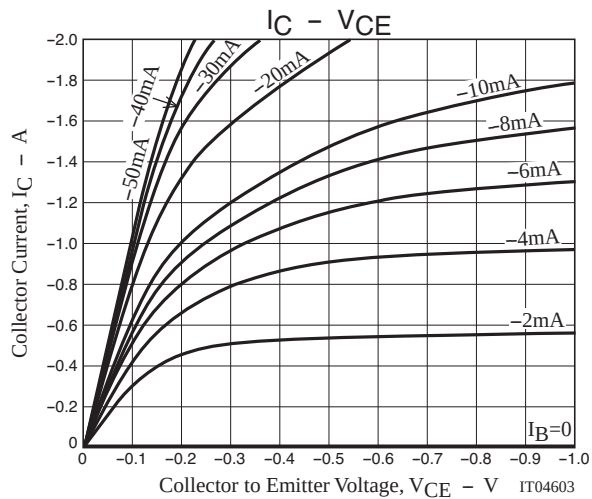
Switching Time Test Circuit

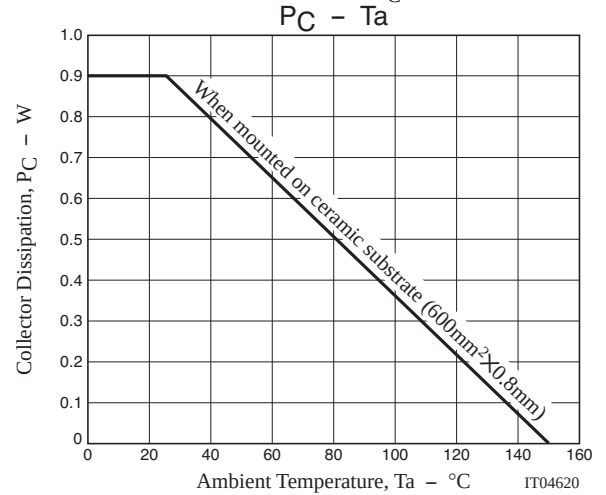
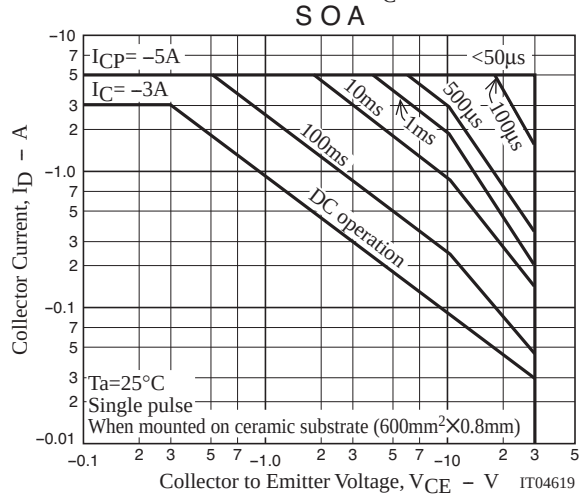
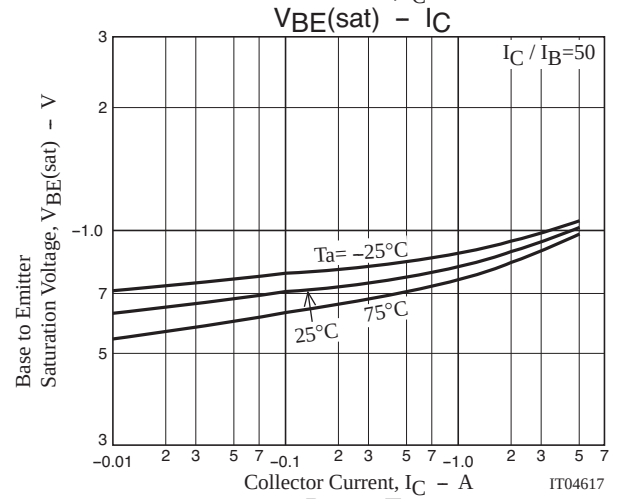
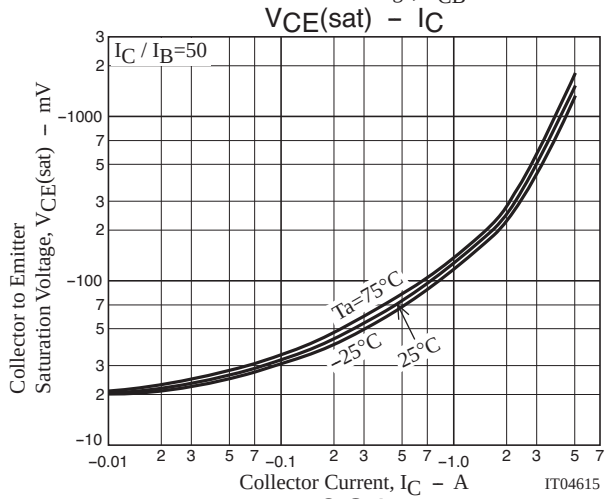
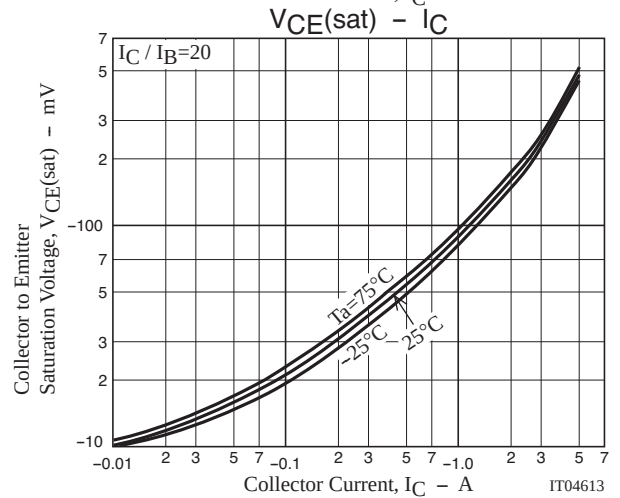
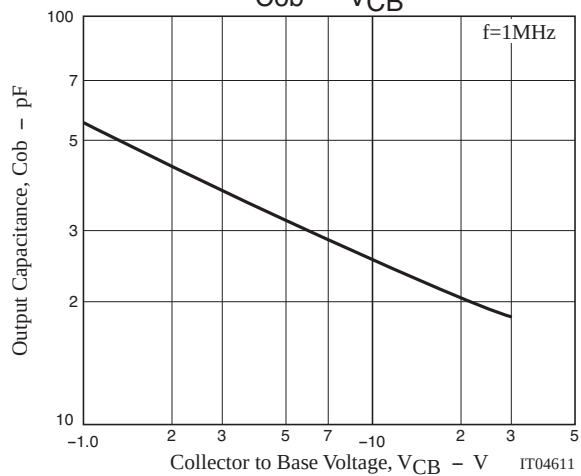
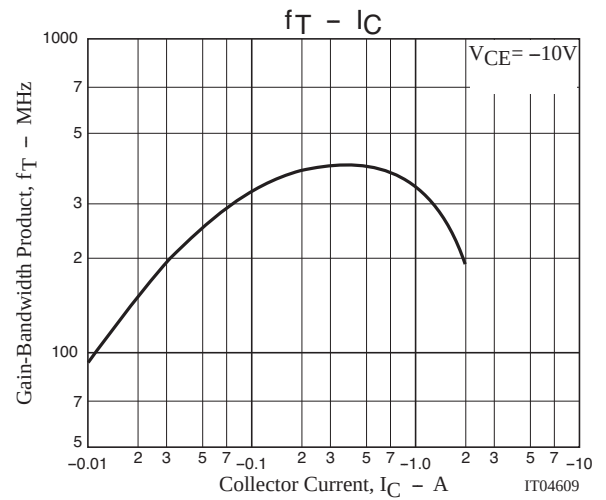
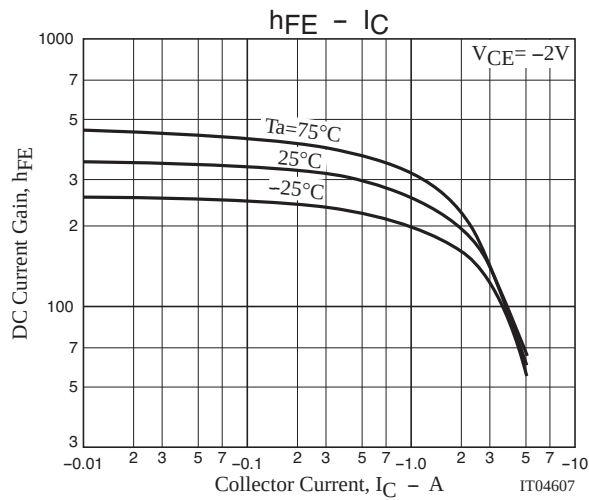


$IC=20IB1=-20IB2=-500mA$

Ordering Information

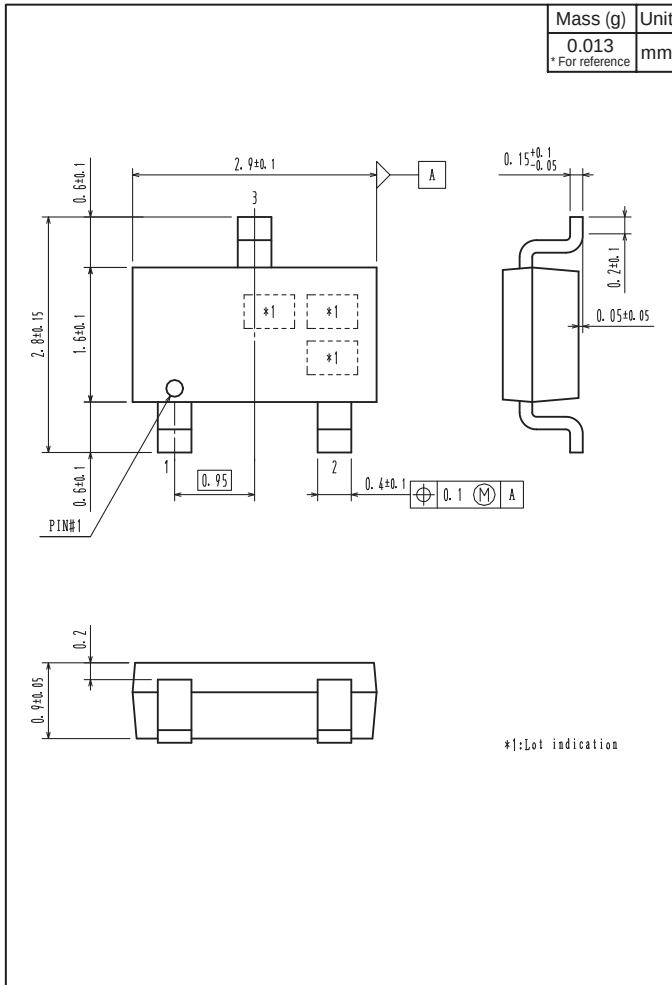
Device	Package	Shipping	memo
CPH3122-TL-E	CPH3	3,000pcs./reel	Pb Free



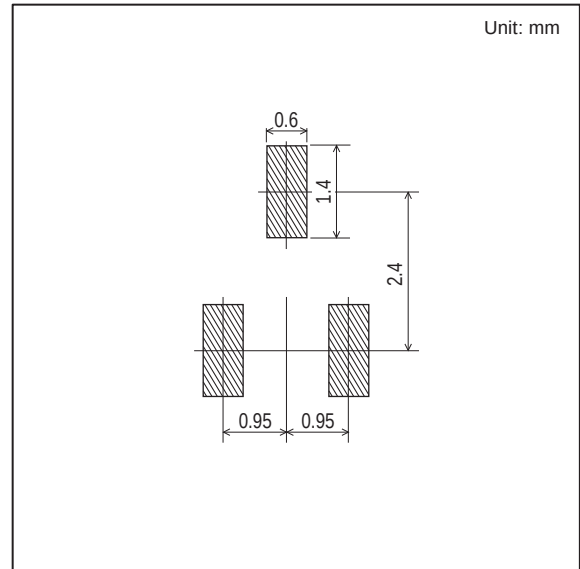


Outline Drawing

CPH3122-TL-E



Land Pattern Example



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