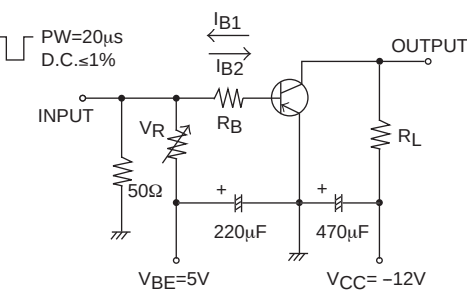


30A02MH

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	ICBO	VCE= -30V, IE=0A			-100	nA
Emitter Cutoff Current	IEBO	VEB= -4V, IC=0A			-100	nA
DC Current Gain	hFE	VCE= -2V, IC= -10mA	200		500	
Gain-Bandwidth Product	fT	VCE= -10V, IC= -50mA		520		MHz
Output Capacitance	Cob	VCE= -10V, f=1MHz		4.7		pF
Collector-to-Emitter Saturation Voltage	VCE(sat)	IC= -200mA, IB= -10mA		-110	-220	mV
Base-to-Emitter Saturation Voltage	VBE(sat)	IC= -200mA, IB= -10mA		-0.9	-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, RBE=∞	-30			V
Emitter-to-Base Breakdown Voltage	V(BR)EBO	IE= -10μA, IC=0A	-5			V
Turn-ON Time	ton	See specified Test Circuit.		35		ns
Storage Time	tstg			125		ns
Fall Time	tf			25		ns

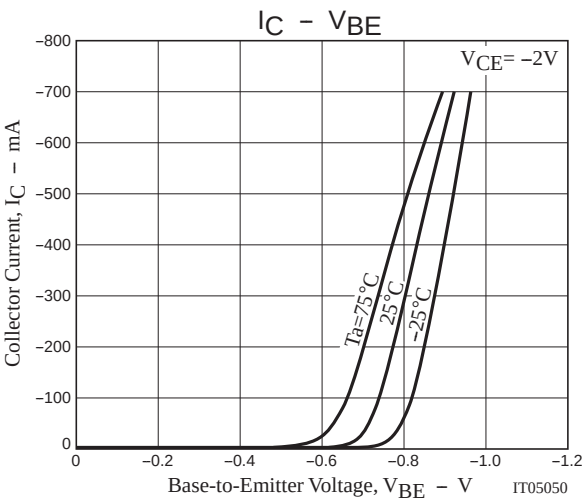
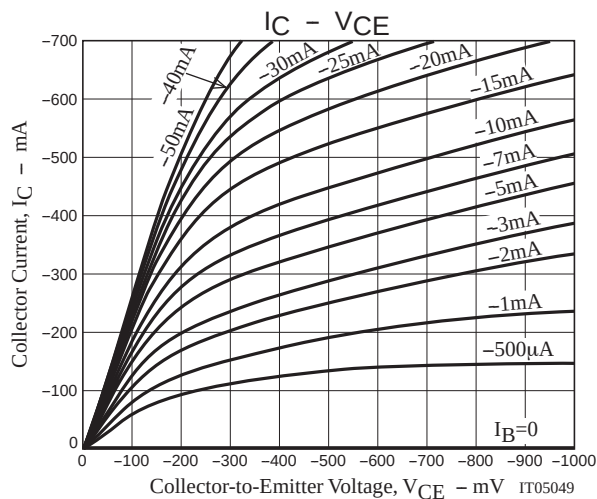
Switching Time Test Circuit



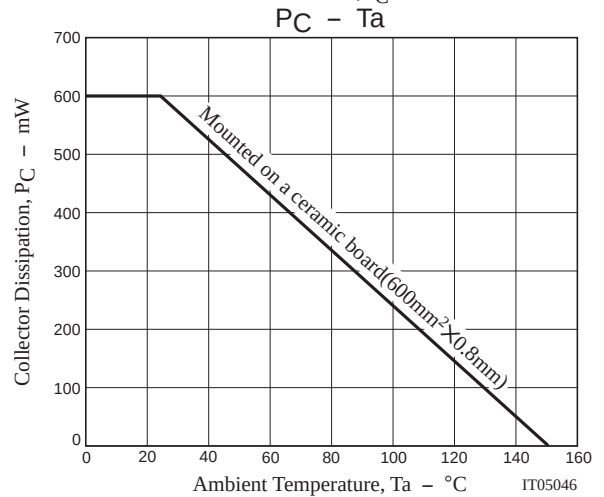
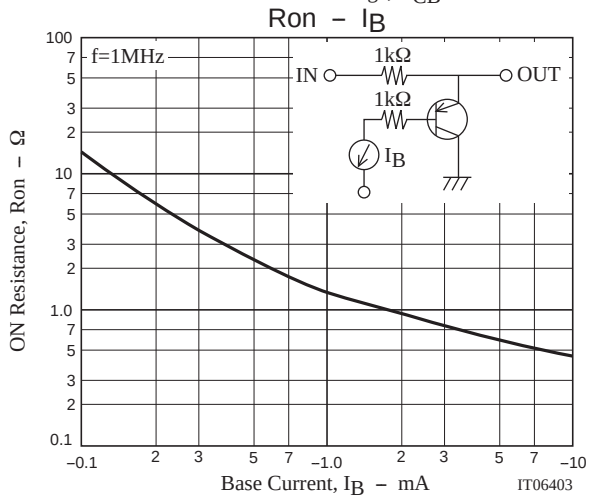
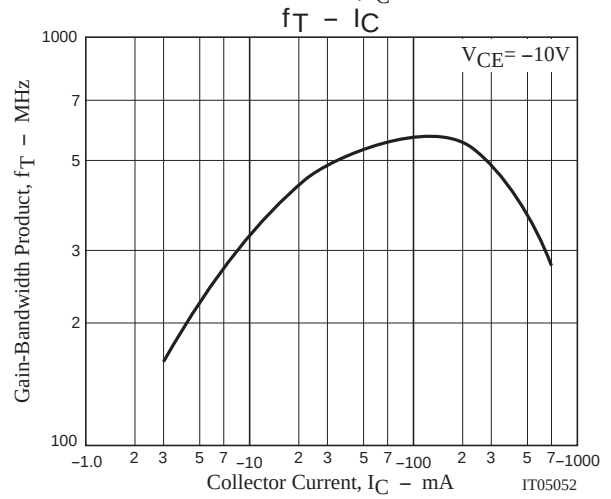
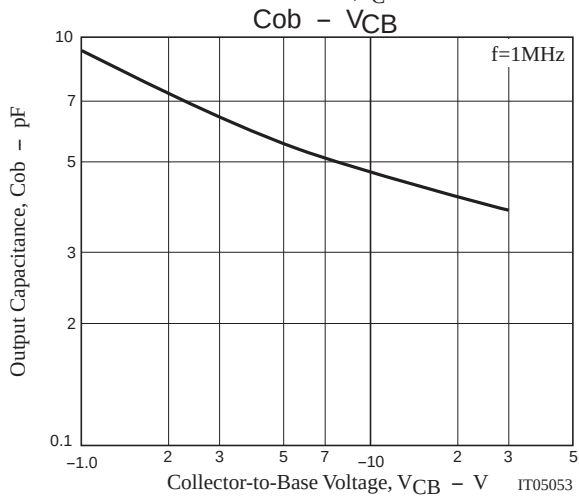
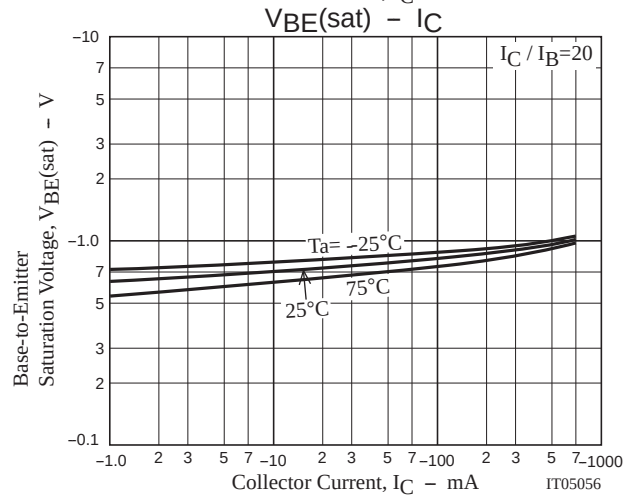
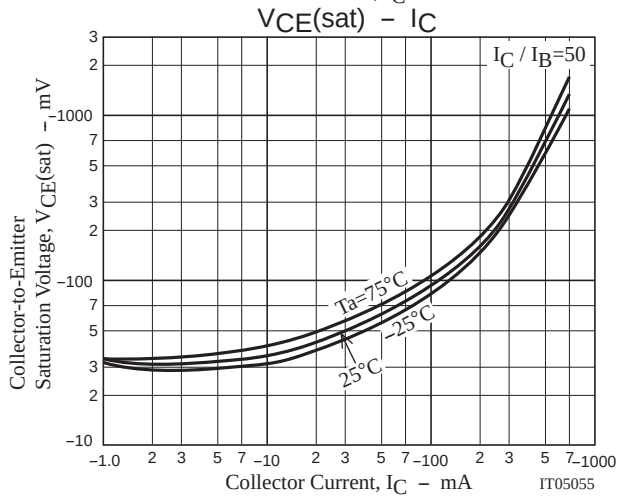
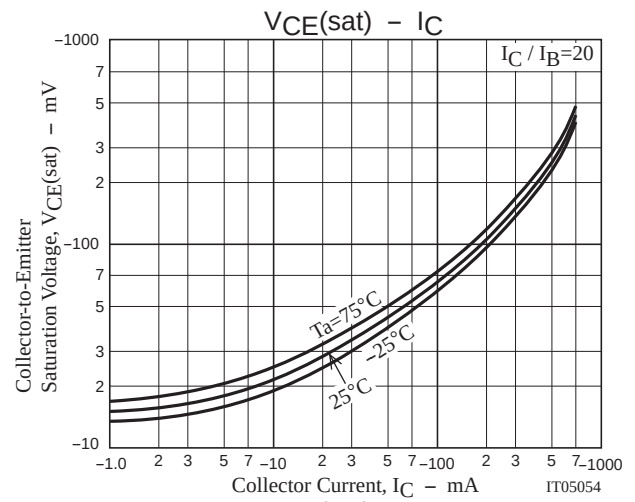
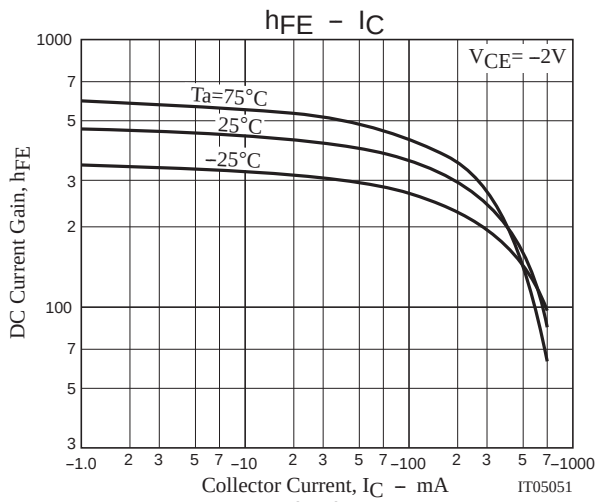
$I_C = 20I_{B1} = -20I_{B2} = -300\text{mA}$

Ordering Information

Device	Package	Shipping	memo
30A02MH-TL-E	MCPH3	3,000pcs./reel	Pb Free
30A02MH-TL-H	MCPH3	3,000pcs./reel	Pb Free and Halogen Free



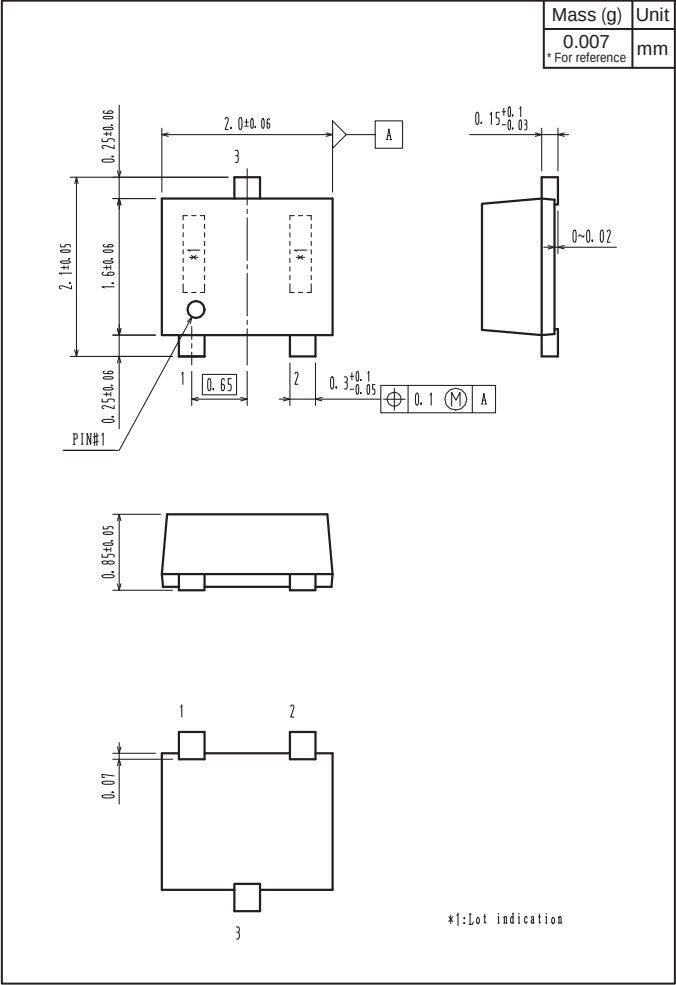
30A02MH



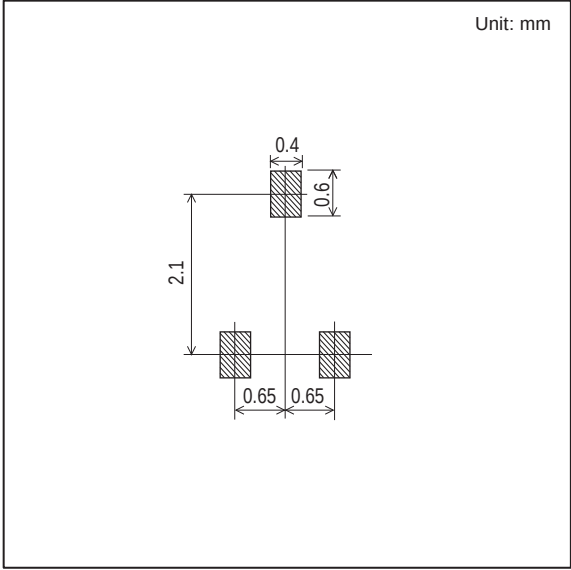
30A02MH

Outline Drawing

30A02MH-TL-E, 30A02MH-TL-H



Land Pattern Example



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