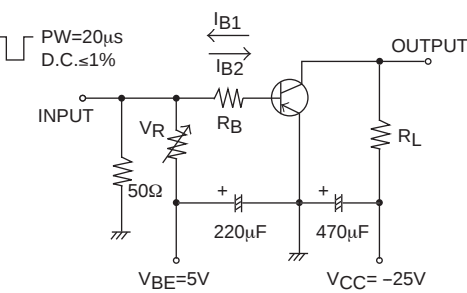


50A02MH

Electrical Characteristics at Ta=25°C

Parameter	Symbol	Conditions	Ratings			Unit
			min	typ	max	
Collector Cutoff Current	ICBO	V _{CB} = -40V, I _E =0A			-100	nA
Emitter Cutoff Current	IEBO	V _{EB} = -4V, I _C =0A			-100	nA
DC Current Gain	h _{FE}	V _{CE} = -2V, I _C = -10mA	200		500	
Gain-Bandwidth Product	f _T	V _{CE} = -10V, I _C = -50mA		690		MHz
Output Capacitance	Cob	V _{CB} = -10V, f=1MHz		3.8		pF
Collector-to-Emitter Saturation Voltage	V _{CE(sat)}	I _C = -100mA, I _B = -10mA		-60	-120	mV
Base-to-Emitter Saturation Voltage	V _{BE(sat)}	I _C = -100mA, I _B = -10mA		-0.9	-1.2	V
Collector-to-Base Breakdown Voltage	V _{(BR)CBO}	I _C = -10μA, I _E =0A	-50			V
Collector-to-Emitter Breakdown Voltage	V _{(BR)CEO}	I _C = -1mA, R _{BE} =∞	-50			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.		30		ns
Storage Time	t _{stg}			170		ns
Fall Time	t _f			30		ns

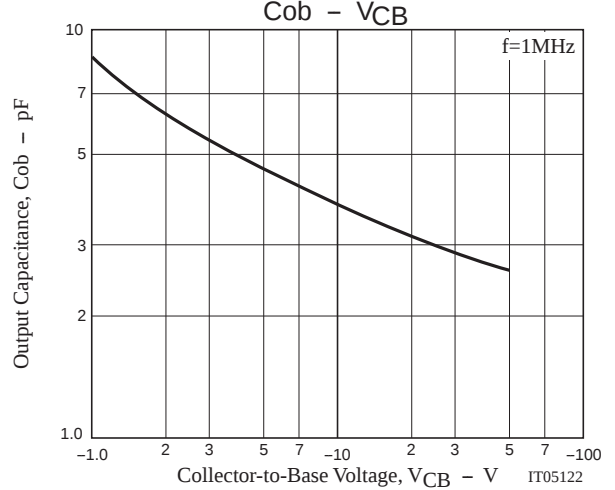
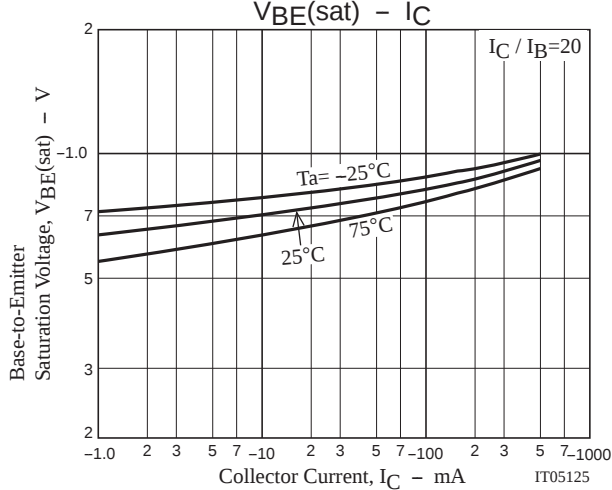
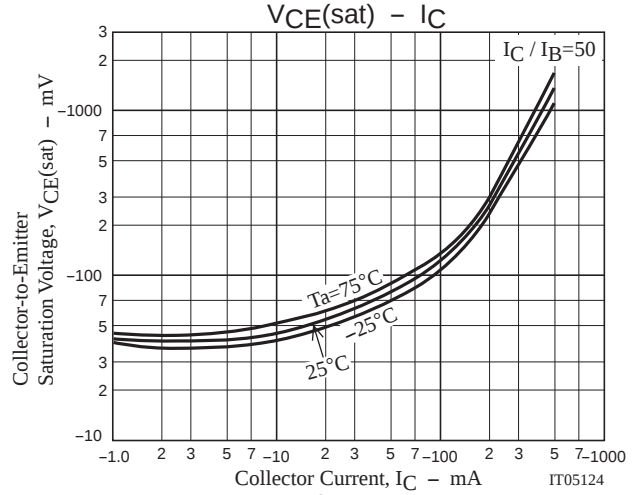
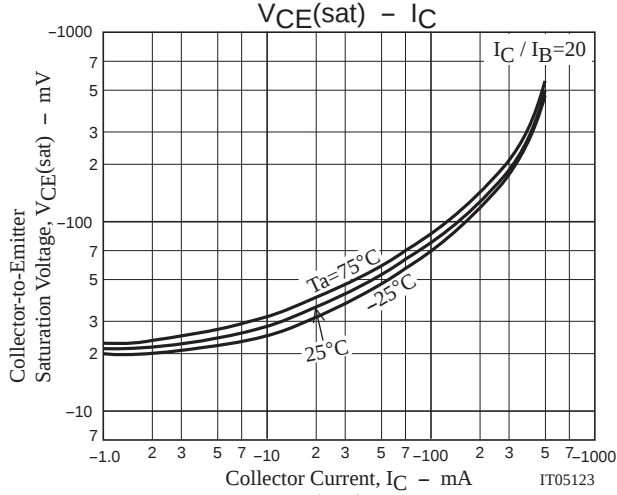
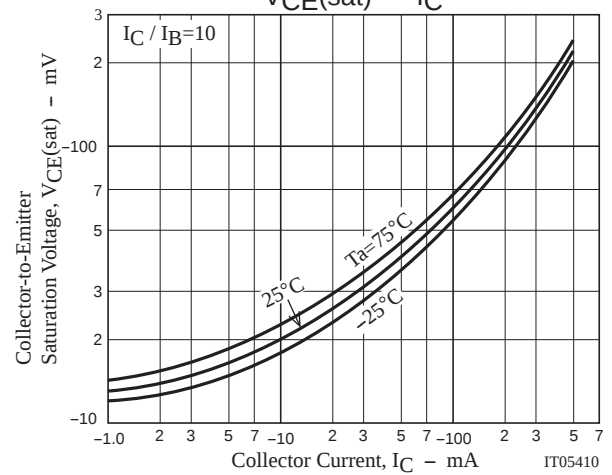
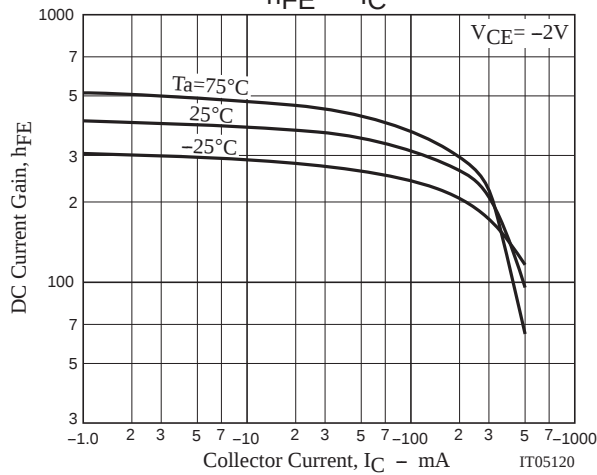
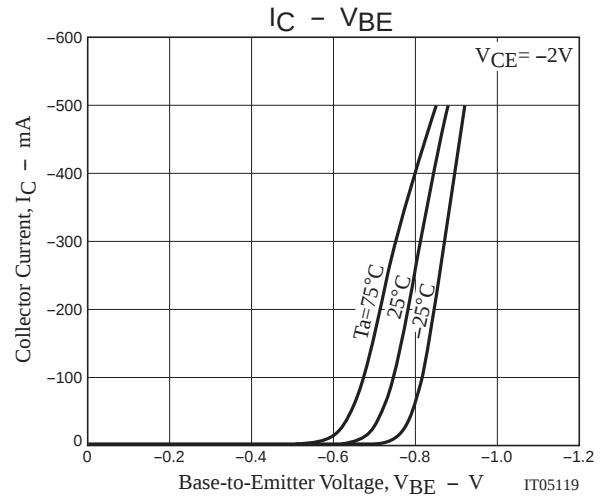
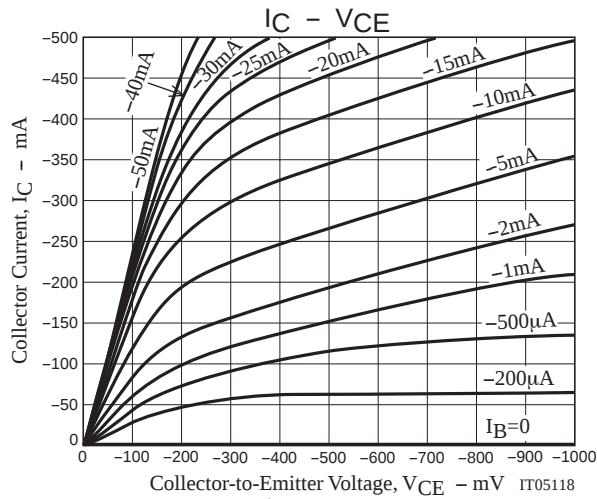
Switching Time Test Circuit



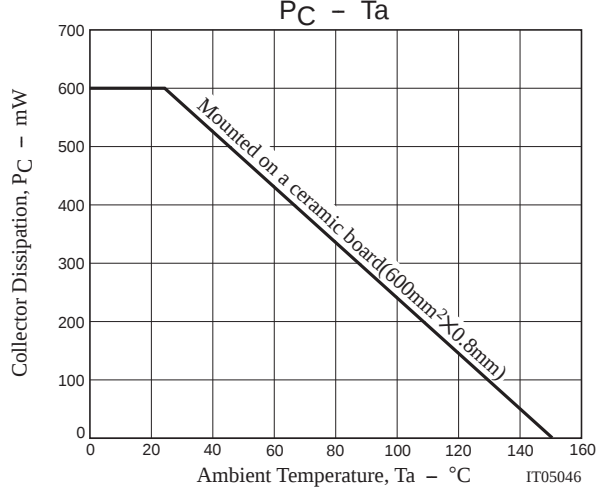
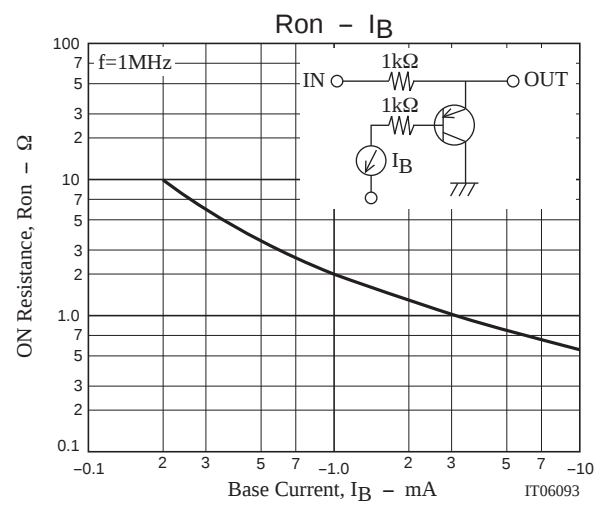
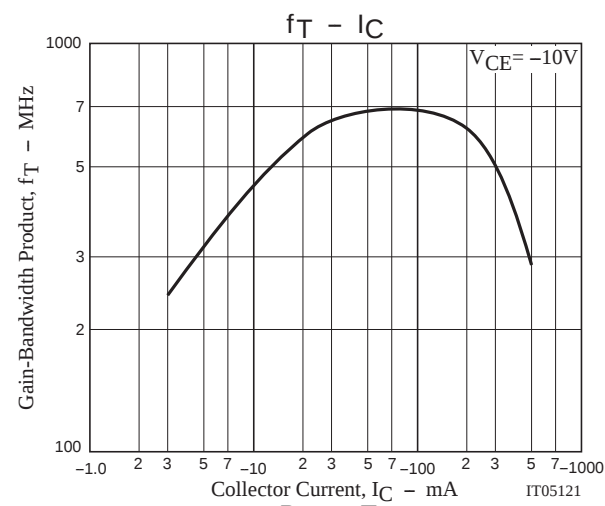
$I_C = 20I_{B1} = -20I_{B2} = -200\text{mA}$

Ordering Information

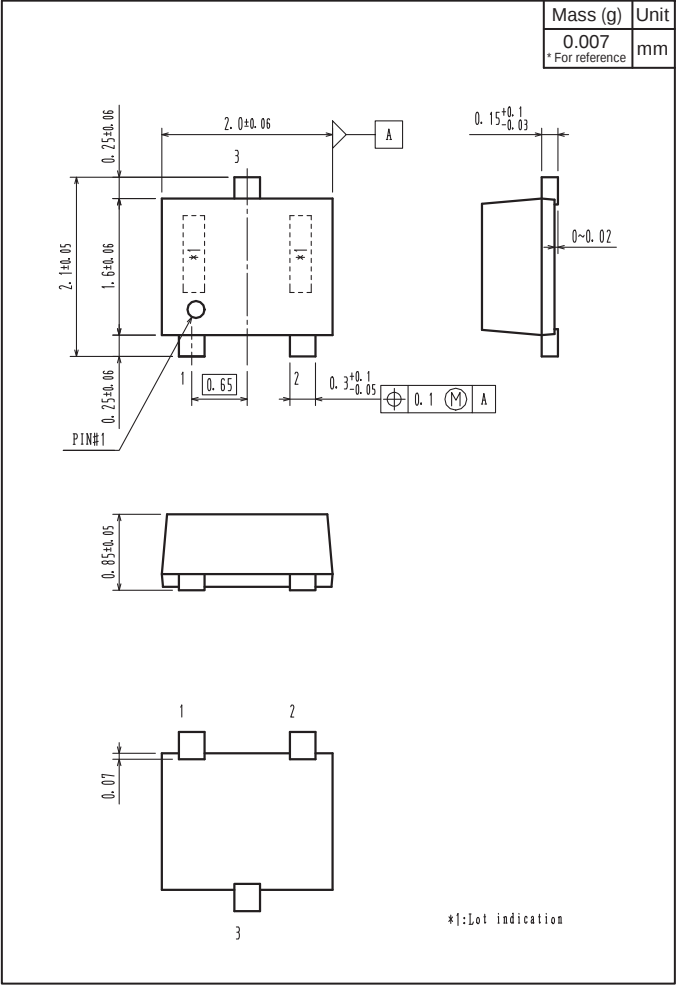
Device	Package	Shipping	memo
50A02MH-TL-E	MCPH3	3,000pcs./reel	Pb Free



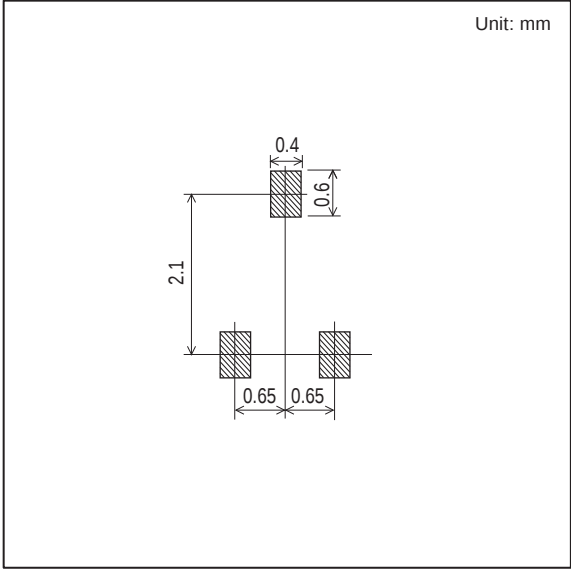
50A02MH



Outline Drawing
50A02MH-TL-E



Land Pattern Example



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