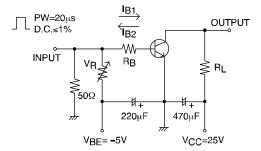
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ELECTRICAL CHARACTERISTICS at $Ta = 25^{\circ}C$ (Note 3)

Parameter	Symbol	Candiliana	Value			L lunit
		Conditions	min	typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =40V, I _E =0A			100	nA
Emitter Cutoff Current	IEBO	VEB=4V, IC=0A			100	nA
DC Current Gain	hFE	V _{CE} =2V, I _C =10mA	300		800	
Gain-Bandwidth Product	fT	VCE=10V, IC=50mA		500		MHz
Output Capacitance	Cob	V _{CB} =10V, f=1MHz		2.8		pF
Collector to Emitter Saturation Voltage	V _{CE} (sat)	IC=100mA, IB=10mA		50	100	mV
Base to Emitter Saturation Voltage	V _{BE} (sat)	IC=100mA, IB=10mA		0.9	1.2	V
Collector to Base Breakdown Voltage	V(BR)CBO	I _C =10μΑ, I _E =0Α	60			V
Collector to Emitter Breakdown Voltage	V(BR)CEO	IC=1mA, RBE=∞	50			V
Emitter to Base Breakdown Voltage	V(BR)EBO	IE=10μΑ, IC=0Α	5			V
Turn-On Time	ton			30		ns
Storage Time	tstg	See specified Test		340		ns
Fall Time	tf			55		ns

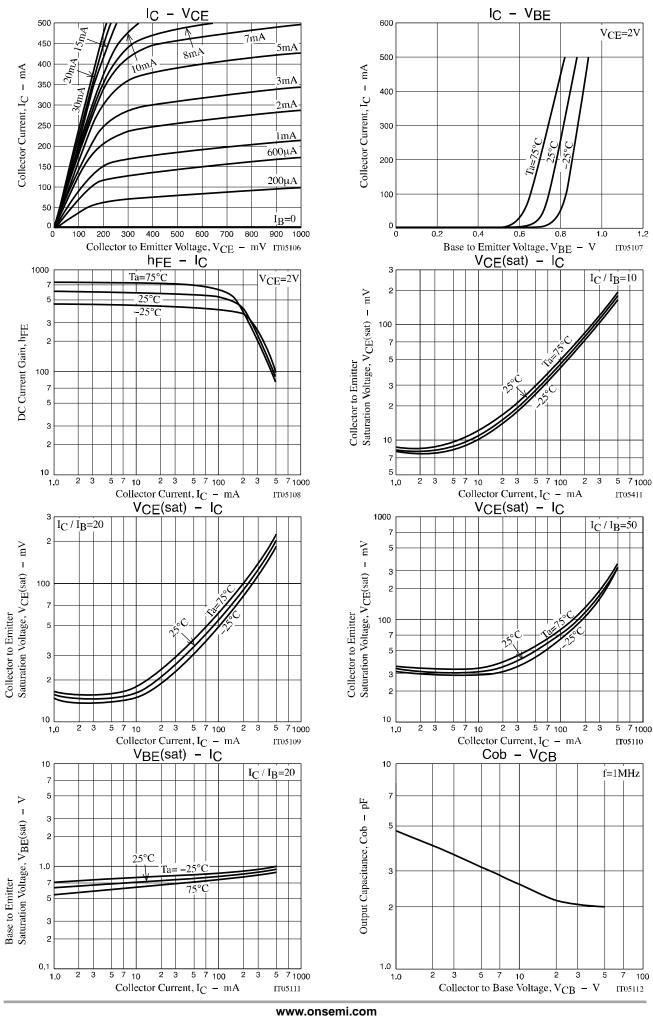
Note 3 : Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

Switching Time Test Circuit



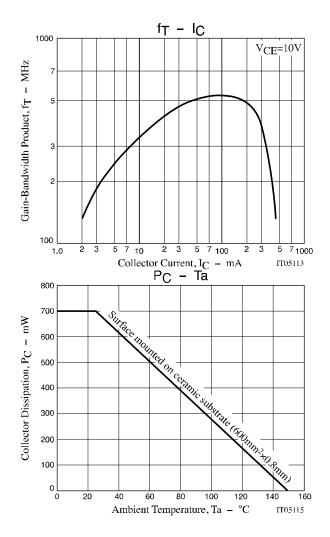
IC=20IB1= -20IB2=200mA

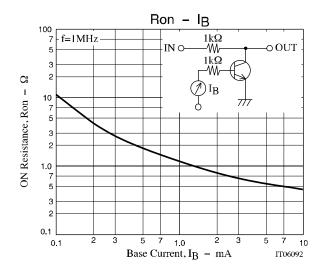
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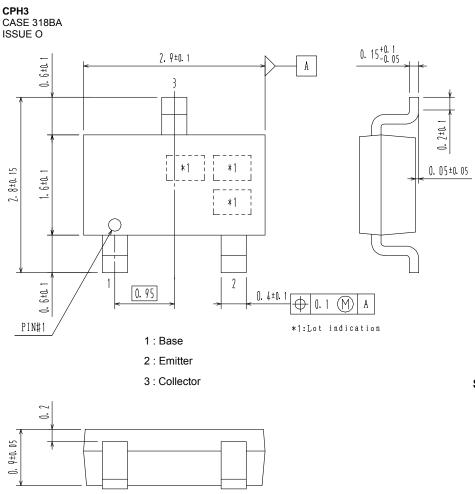
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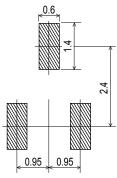


PACKAGE DIMENSIONS

unit : mm



Recommended Soldering Footprint



ORDERING INFORMATION

Device	Marking	Package	Shipping (Qty / Packing)
50C02CH-TL-E	сх	CPH3 (Pb-Free)	3,000 / Tape & Reel

† For information on tape and reel specifications, including part orientation and tape sizes, please refer to our Tape and Reel Packaging Specifications Brochure, BRD8011/D. http://www.onsemi.com/pub_link/Collateral/BRD8011-D.PDF

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