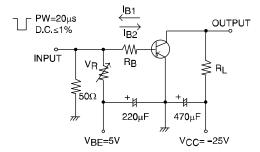
ELECTRICAL CHARACTERISTICS at $Ta = 25^{\circ}C$ (Note 3)

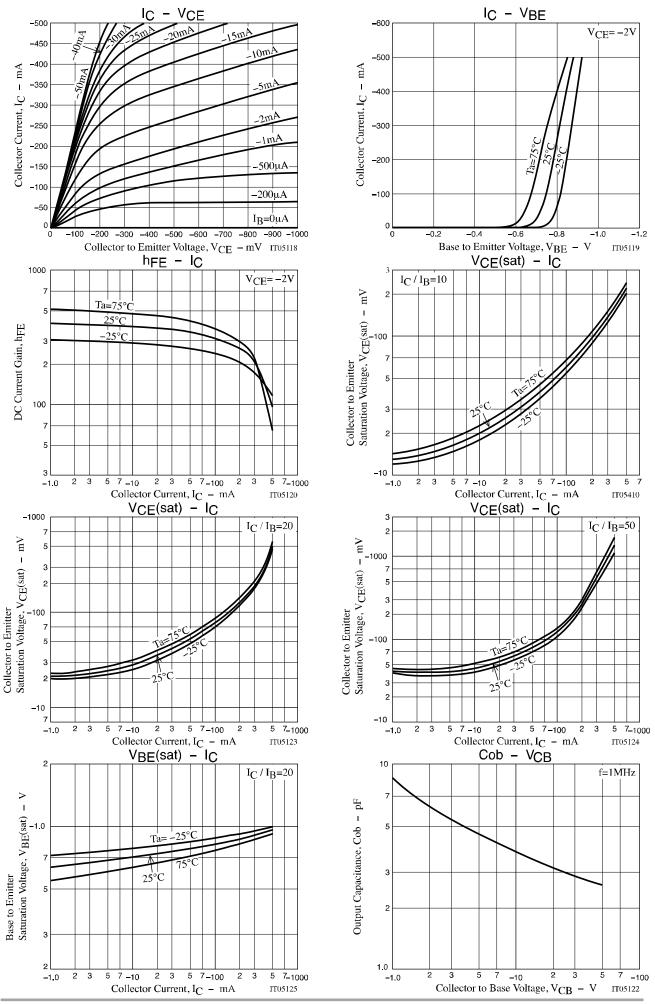
D-m-m-t-m	Symbol	0 100	Value			1.1
Parameter		Conditions	min	typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =-40V, I _E =0A			-100	nA
Emitter Cutoff Current	IEBO	VEB=-4V, IC=0A			-100	nA
DC Current Gain	hFE	V _{CE} =-2V, I _C =-10mA	200		500	
Gain-Bandwidth Product	fŢ	V _{CE} =-10V, I _C =-50mA		690		MHz
Output Capacitance	Cob	V _{CB} =-10V, f=1MHz		3.8		pF
Collector to Emitter Saturation Voltage	V _{CE} (sat)	IC=-100mA, IB=-10mA		-60	-120	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	IC=-10μΑ, IE=0Α	-50			V
Collector to Emitter Breakdown Voltage	V(BR)CEO	IC=−1mA, RBE=∞	-50			V
Emitter to Base Breakdown Voltage	V(BR)EBO	IE=-10μA, IC=0A	-5			V
Turn-On Time	ton	0 15 17 1		30		ns
Storage Time	t _{stg}	See specified Test Circuit		170		ns
Fall Time	tf	Ollouit		30		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.

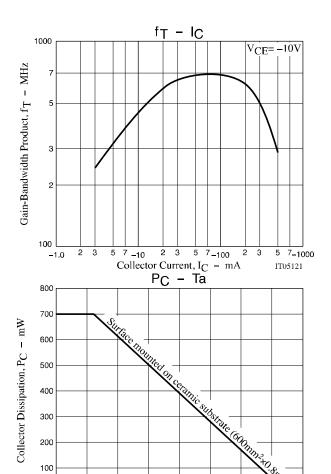
Switching Time Test Circuit



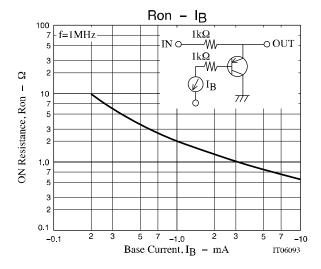
IC=20IB1=-20IB2=-200mA



IT05047



Ambient Temperature, Ta - °C

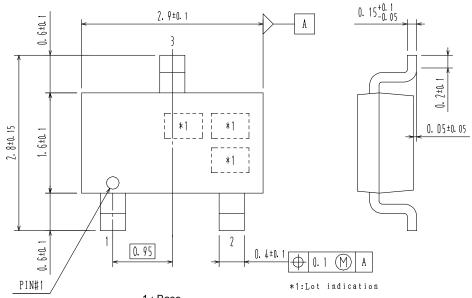


PACKAGE DIMENSIONS

unit: mm

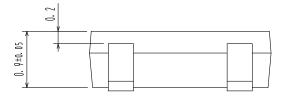
CPH3

CASE 318BA ISSUE O

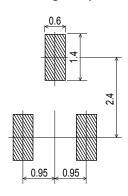


1 : Base 2 : Emitter

3 : Collector



Recommended Soldering Footprint



ORDERING INFORMATION

ORDERING IN CRIMATION						
Device	Marking	Package	Shipping (Qty / Packing)			
50A02CH-TL-E	AX	CPH3 (Pb-Free)	3,000 / Tape & Reel			
50A02CH-TL-H	A^	CPH3 (Pb-Free / Halogen 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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