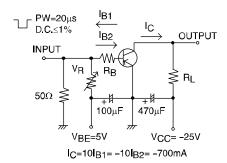
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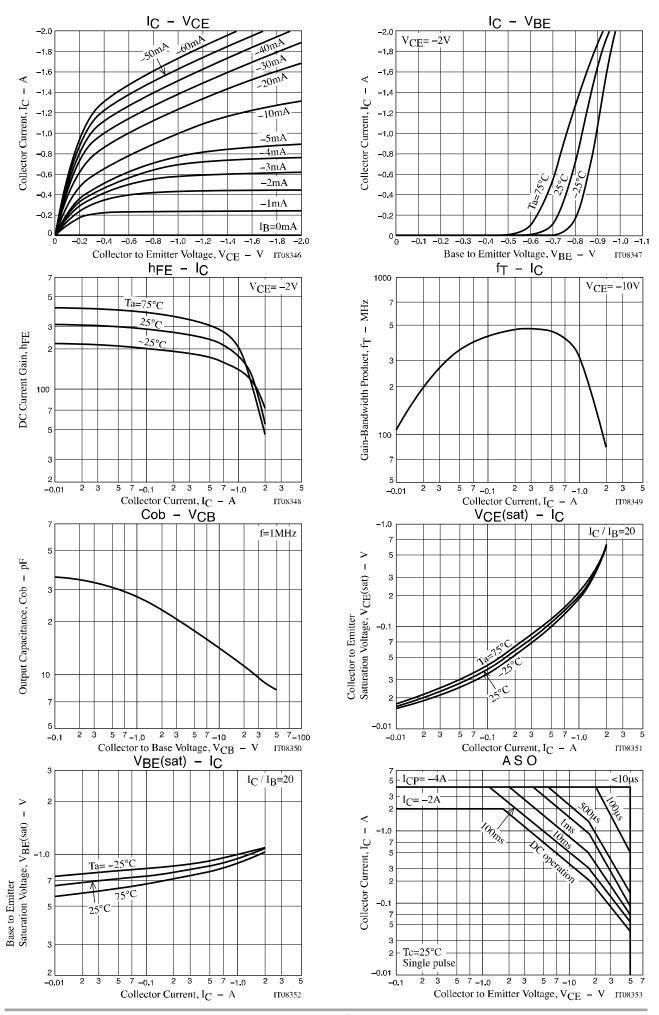
ELECTRICAL CHARACTERISTICS at Ta = 25°C (Note 3)

Darameter	Symbol	Conditions	Value			1144
Parameter		Conditions	min	typ	max	Unit
Collector Cutoff Current	ICBO	V _{CB} =-40V, I _E =0A			-1	μΑ
Emitter Cutoff Current	IEBO	V _{EB} =-4V, I _C =0A			-1	μΑ
DC Current Gain	hFE1	V _{CE} =-2V, I _C =-100mA	200		560	
	hFE2	V _{CE} =-2V,I _C =-1.5A	40			
Gain-Bandwidth Product	fŢ	V _{CE} =-10V, I _C =-300mA		420		MHz
Output Capacitance	Cob	V _{CB} =-10V, f=1MHz		16		pF
Collector to Emitter Saturation Voltage	V _{CE} (sat)	IC=-1A, IB=-50mA		-0.2	-0.4	V
Base to Emitter Saturation Voltage	V _{BE} (sat)	IC=-1A, IB=-50mA		-0.9	-1.2	V
Collector to Base Breakdown Voltage	V(BR)CBO	I _C =-10μΑ, I _E =0Α	-50			V
Collector to Emitter Breakdown Voltage	V(BR)CEO	IC=−1mA, RBE=∞	-50			V
Emitter to Base Breakdown Voltage	V(BR)EBO	I _E =-10μΑ, I _C =0Α	-6			V
Turn-On Time	ton			35		ns
Storage Time	t _{stg}	See specified Test Circuit		200		ns
Fall Time	tf	- Circuit		24		ns

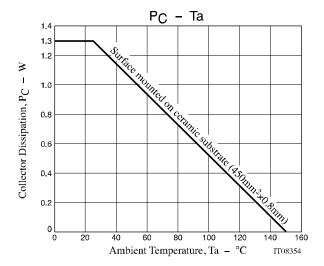
Note 3 : Product parametric performance is indicated in the Electrical Characteristics for the listed test conditions, unless otherwise noted. Product performance may not be indicated by the Electrical Characteristics if operated under different conditions.

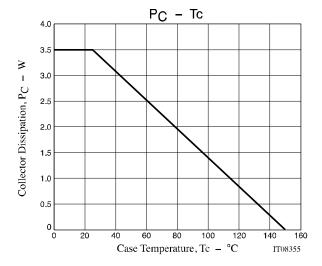
Switching Time Test Circuit





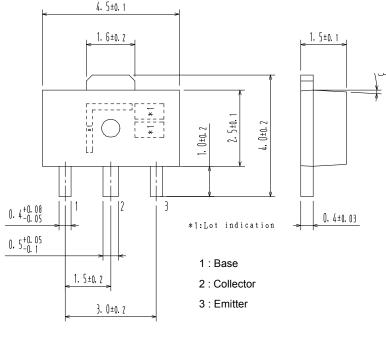
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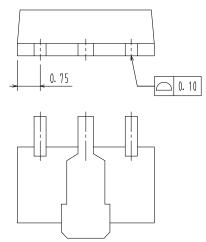




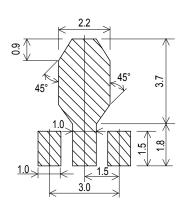
PACKAGE DIMENSIONS

unit: mm SOT-89 / PCP-1 CASE 419AU ISSUE O





Recommended Soldering Footprint



ORDERING INFORMATION

Device	Marking	Package	Shipping (Qty / Packing)
2SA2153-TD-E	AZ	SOT-89 / PCP-1 (Pb-Free)	1,000 / 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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