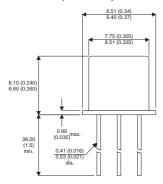
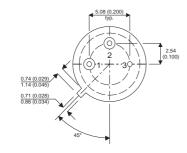




MECHANICAL DATA

Dimensions in mm (inches)





TO5 PACKAGE (TO205AA)

Underside View

Pin 1 = Emitter Pin 2 = Base Pin 3 = Collector

SMALL SIGNAL PNP TRANSISTORS

FEATURES

- Ruggedness
- Restricted Bandwidth
- High Reverse Emitter Voltage

ABSOLUTE MAXIMUM RATINGS (T_{amb} = 25°C unless otherwise stated)

V_{CBO}	Collector – Base Voltage	- 32V
V_{CEO}	Collector – Emitter Voltage	- 32V
V_{EBO}	Reverse Emitter – Base Voltage	- 32V
I _{C(PK)}	Peak Collector Current	- 150mA
I _{CM}	Collector Current	- 100mA
	Device Dissipation	600mW
T_J	Operating Junction Tempeature	175°C
Tstg	Storage Temperature Range	-55 to 200°C
Rθj-c	Thermal Resistance Junction to Case	0.5°C/mW

Semelab PIc reserves the right to change test conditions, parameter limits and package dimensions without notice. Information furnished by Semelab is believed to be both accurate and reliable at the time of going to press. However Semelab assumes no responsibility for any errors or omissions discovered in its use. Semelab encourages customers to verify that datasheets are current before placing orders.

E-mail: sales@semelab.co.uk

Semelab plc. Telephone +44(0)1455 556565. Fax +44(0)1455 552612.

Website: http://www.semelab.co.uk



ELECTRICAL CHARACTERISTICS ($T_{case} = 25$ °C unless otherwise stated)

Parameter		Test Conditions		Min.	Тур.	Max.	Unit
I _{EBO}	Emitter Cut-off Current	$V_{CB} = - \text{ rated voltage} I_{C} = 0$				-10	μΑ
V_{BE}	Base – Emitter Voltage	$V_{CE} = -4.5V$	I _E = - 20mA		-0.8	-1.45	V
V _{CE(sat)}	Collector – Emitter Saturation Voltage	$I_C = -20 \text{mA}$	I _B = - 3mA			-0.50	mV
		$I_C = -250 \mu A$	I _B = 50μA			-0.18	
h _{FE}	Static Forward Current Transfer Ratio	$V_{CE} = -4.5V$	I _C = - 20mA	15	30	57	
h _{fe}	Small Signal Common Emitter	V _{CE} = - 6V	I _C = - 1mA	25	35	57	
	Forward Current Transfer Ratio		f = 1kHz	25			
f _T	Transistion Frequency	$V_{CB} = -6V$	$I_C = -1mA$	0.6	2.4		MHz

BCY34A

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Semelab plc. Telephone +44(0)1455 556565. Fax +44(0)1455 552612. Document Number 3294
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