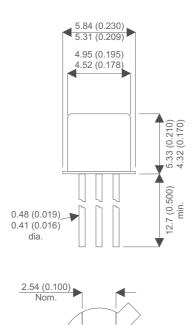
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MECHANICAL DATA

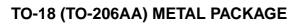
Dimensions in mm (inches)



BIPOLAR NPN SILICON TRANSISTOR

FEATURES

- GENERAL PURPOSE NPN TRANSISTOR
- HERMETICALLY SEALED METAL PACKAGE
- JAN LEVEL SCREENING OPTIONS
- CECC LEVEL SCREENING OPTIONS



3 0

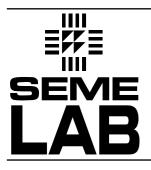
Underside View

PIN 2 – Base PIN 1 – Emitter PAD 3 – Collector

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

		,
V _{CBO}	Collector – Base Voltage	200V
V _{CEO}	Collector – Emitter Voltage	140V
V _{EBO}	Emitter – Base Voltage	15V
I _C	Continuous Collector Current	30mA
P _{tot}	Power Dissipation	360mW
$R_{ extsf{ heta}JC}$	Thermal Resistance Junction to Case	417°C/W
T _{J,} T _{stg}	Operating and Storage Temperature	–55 to 175°C

Semelab Plc 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.



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ELECTRICAL CHARACTERISTICS ($T_C = 25^{\circ}C$ unless otherwise stated)

	Parameter		Test Conditions		Тур.	Max.	Unit
V _{(BR)CBO}	Collector – Base Breakdown Voltage	I _C = 100μA	$I_E = 0$	200			V
V _{(BR)CEO}	Collector – Emitter Breakdown Voltage	I _C = 10mA	I _B = 0	140			V
V _{(BR)EBO}	Emitter – Base Breakdown Voltage	I _E = 100μA	$I_{\rm C} = 0$	15			-
I _{CBO}	Collector – Base Cut-off Current	V _{CB} = 150V	$I_E = 0$			1.0	μA
V _{CE(sat)}	Collector – Emitter Saturation Voltage	I _C = 10mA				1.0	V
h _{FE}	Static Forward Current Transfer Ratio	I _C = 10mA	$V_{CE} = 10V$	40		200	

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