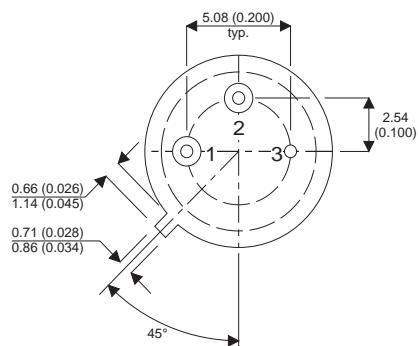
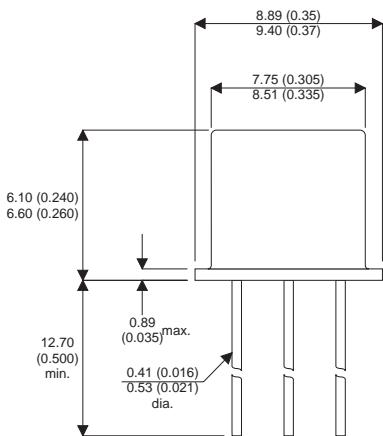


MECHANICAL DATA

Dimensions in mm (inches)



TO-39 PACKAGE

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

ABSOLUTE MAXIMUM RATINGS ($T_A = 25^\circ\text{C}$ unless otherwise stated)

V_{CBO}	Collector – Base Voltage	900V
V_{CER}	Collector – Emitter Voltage	900V
V_{EBO}	Emitter – Base Reverse Voltage	5V
I_C	Continuous Collector Current	2W
P_{TOT}	Total Device Dissipation	3.5A
T_J	Maximum Operating Junction Temperature	200°C
T_{STG}	and Storage Temperature Range	-55 to 200°C

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

Parameter	Test Conditions	Min.	Typ.	Max.	Unit
I_{CBO}	$V_{CB} = 900\text{V}$			0.012	mA
hFE	$V_{CE} = 10\text{V}$ $I_C = 0.02\text{A}$	20		180	—
f_{ae}			20		MHz

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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