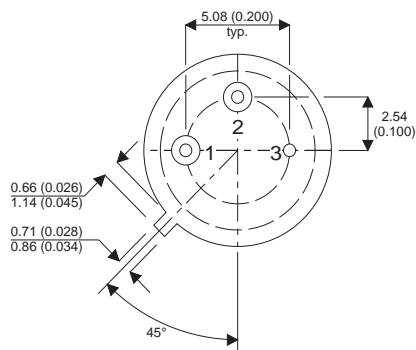
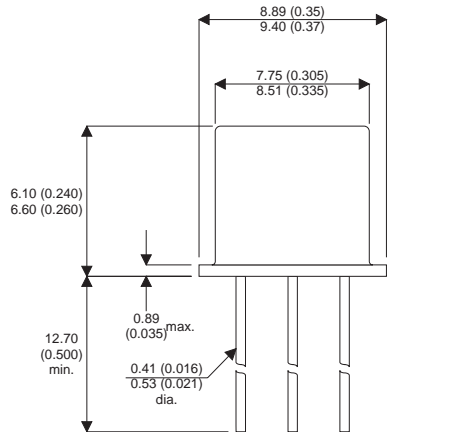


MECHANICAL DATA

Dimensions in mm (inches)



TO-39 PACKAGE

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

**SILICON EPITAXIAL
NPN TRANSISTOR**

FEATURES

General purpose power transistor for switching and linear applications in a hermetic TO-39 package.

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

V_{CBO}	Collector – Base Voltage		900V
V_{CER}	Collector – Emitter Voltage	$R = 10\Omega$	900V
V_{EBO}	Emitter – Base Reverse Voltage		5V
I_C	Continuous Collector Current		2W
P_{TOT}	Total Device Dissipation	$T_C = 25^\circ\text{C}$	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}	Collector Base Leakage Current			0.012	mA	
hFE	D.C Current Gain	$V_{CE} = 10V$	$I_C = 0.02A$	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.