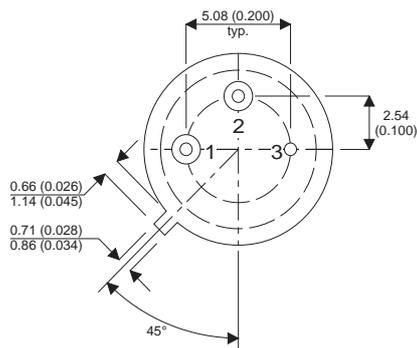
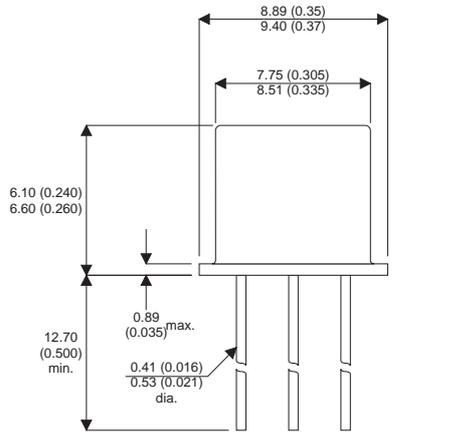


**MECHANICAL DATA**

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 <sub>ae</sub>			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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## Part number search for devices beginning "2N5014-JQR"

[Semelab Home](#)

Datasheets are downloaded as Acrobat PDF files.



### Bipolar Products

PRODUCT	Polarity	Package	V <sub>CEO</sub>	I <sub>C(cont)</sub>	H <sub>FE(min)</sub>	H <sub>FE(max)</sub>	@ V <sub>CE</sub> /I <sub>C</sub>	F <sub>T</sub>	P <sub>D</sub>
<a href="#">2N5014-JQR-B</a>	NPN	TO39	900V	0.5A	30	180	10/25m	20MHz	2W

Searched through 3084 records and found 1 products matching your criteria.

[Top of Page](#)

If you are unable to find a suitable part, please [contact us](#).

