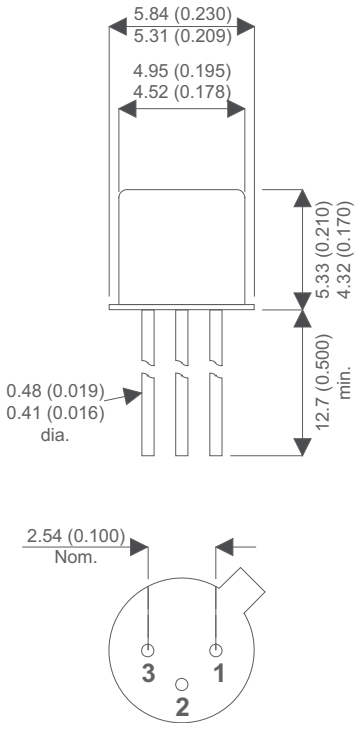
2N4269S

MECHANICAL DATA
Dimensions in mm (inches)



TO-18 (TO-206AA) METAL PACKAGE

Underside View

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

BIPOLAR NPN SILICON TRANSISTOR

FEATURES

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

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
$R_{\theta JC}$	Thermal Resistance Junction to Case	417°C/W
T_J, T_{stg}	Operating and Storage Temperature	–55 to 175°C

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Document Number 5792
Issue 1

2N4269S

ELECTRICAL CHARACTERISTICS (T_C = 25°C unless otherwise stated)

Parameter		Test Conditions		Min.	Typ.	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			
$V_{(BR)EBO}$	Emitter – Base Breakdown Voltage	I_E = 100µA	I_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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