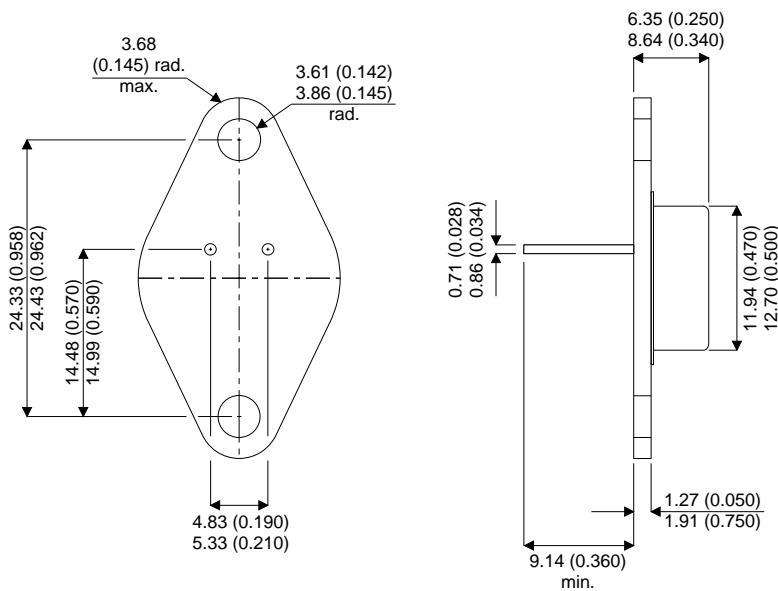


MECHANICAL DATA

Dimensions in mm (inches)



TO-66 Metal Package.

**PNP EPITAXIAL BASE
MEDIUM POWER
TRANSISTOR**

APPLICATIONS

Medium power, low frequency PNP bipolar transistor in a hermetically sealed TO-66 metal package.

ABSOLUTE MAXIMUM RATINGS

($T_{case} = 25^{\circ}C$ unless otherwise stated)

| | | 2N4898X | 2N4899X | 2N4900X |
|-----------------|---------------------------------------|---------|---------------|---------|
| $V_{(BR)CBO}$ | Collector – Base Breakdown Voltage | -40V | -60V | -80V |
| $V_{(BR)CEO}$ | Collector – Emitter Breakdown Voltage | -40V | -60V | -80V |
| $V_{(BR)EBO}$ | Emitter – Base Breakdown Voltage | | -5V | |
| I_C | Continuous Collector Current | | -4A | |
| I_B | Base Current | | -1A | |
| P_D | Total Power Dissipation | | 25W | |
| T_C | Operating Case Temperature Range | | -65 to +200°C | |
| T_{stg} | Storage Temperature Range | | -65 to +200°C | |
| $R_{\theta JC}$ | Thermal Resistance , Junction To Case | | 7.0°C/W | |

Electrical Characteristics ($T_C = 25^\circ\text{C}$ unless otherwise stated.)

| Parameter | Test Conditions | | Min. | Typ. | Max. | Units |
|--|--|---------------------------|------|------|-------|---------------|
| I_{CEO} Collector – Emitter Cut-off Current | $V_{CE} = -30\text{V}$ | $I_B = 0$ | | | 0.50 | mA |
| I_{CEX} Collector – Emitter Cut-off Current | $V_{CE} = V_{(BR)CEO}$ | $V_{BE} = -1.5\text{V}$ | | | 100 | μA |
| | | $T_C = 150^\circ\text{C}$ | | | 1.0 | mA |
| I_{CBO} Collector – Base Cut-off Current | $V_{CB} = V_{(BR)CBO}$ | $I_E = 0$ | | | 0.1 | mA |
| I_{CES} Collector – Emitter Leakage Current | $V_{CE} = V_{(BR)CEO}$ | $V_{BE} = 0$ | | | 100 | μA |
| $V_{CE(sat)^*}$ Collector – Emitter Saturation Voltage | $I_C = -1\text{A}$ | $I_B = -0.1\text{A}$ | | | -0.60 | V |
| $V_{BE(sat)^*}$ Base – Emitter Saturation Voltage | $I_C = -1\text{A}$ | $I_B = -0.1\text{A}$ | | | -1.3V | V |
| V_{BE}^* Base – Emitter Voltage | $I_C = -1\text{A}$ | $V_{CE} = -1\text{V}$ | | | -1.3V | V |
| h_{FE}^* DC Current Gain | $V_{CE} = -1\text{V}$ | $I_C = -50\text{mA}$ | 40 | | | — |
| | $V_{CE} = -1\text{V}$ | $I_C = -500\text{mA}$ | 20 | | 130 | |
| | $V_{CE} = -1\text{V}$ | $I_C = -1\text{A}$ | 10 | | | |
| f_t Transition Frequency | $V_{CE} = -10\text{V}$ $f = 1\text{ MHz}$ | $I_C = -250\text{mA}$ | 3.0 | | | MHz |

* Pulse Test: $t_p = 300\mu\text{s}$, $\delta = 2\%$.

| | | |
|--|--|--|
| | | |
|--|--|--|

Part number search for devices beginning "2N4899X"

[Semelab Home](#)

Datasheets are downloaded as Acrobat PDF files.



Bipolar Products

| PRODUCT | Polarity | Package | V _{CEO} | I _{C(cont)} | H _{FE(min)} | H _{FE(max)} | @ V _{CE} /I _C | F _T | P _D |
|-------------------------------|----------|---------|------------------|----------------------|----------------------|----------------------|-----------------------------------|----------------|----------------|
| 2N4899X | PNP | TO66 | 60V | 4A | 20 | 175 | 1/0.5 | 3MHz | 25W |
| 2N4899X-JQR-B | PNP | TO66 | 60V | 4A | 20 | 175 | 1/0.5 | 3MHz | 25W |

Searched through 3084 records and found 2 products matching your criteria.

[Top of Page](#)

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

