



# Product Overview

## 2N3442: 10 A, 140 V NPN Bipolar Power Transistor

For complete documentation, see the [data sheet](#)

### Product Description

The 10 A, 140 V NPN Bipolar Power Transistor is designed for applications in industrial and commercial equipment including high fidelity audio amplifiers, series and shunt regulators and power switches.

### Features

- Collector -Emitter Sustaining Voltage -  $V_{CEO(sus)} = 140\text{ Vdc (Min)}$
- Excellent Second Breakdown Capability
- Pb-Free Package is Available

### Part Electrical Specifications

| Product | Compliance | Status | Polarity | $I_C$ Continuous (A) | $V_{(BR)CEO}$ Min (V) | $h_{FE}$ Min | $h_{FE}$ Max | $f_T$ Min (MHz) | $P_{TM}$ Max (W) | Package Type |
|---------|------------|--------|----------|----------------------|-----------------------|--------------|--------------|-----------------|------------------|--------------|
| 2N3442G | Pb-free    | Active | NPN      | 10                   | 140                   | 20           | 70           | 0.08            | 117              | TO-204-2     |

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com)

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