

## Product Overview

### 2N5686: 50 A, 80 V NPN Bipolar Power Transistor

For complete documentation, see the data sheet.

The Power 50A 80 V Bipolar NPN Transistor is designed for use in high power amplifier and switching circuit applications.

#### Features

- High Current Capability - IC Continuous = 50 Amperes.
- DC Current Gain - hFE = 15-60 @ IC = 25 Adc
- Low Collector-Emitter Saturation Voltage - VCE(sat) = 1.0 Vdc (Max) @ IC = 25 Adc
- Pb-Free Packages are Available

#### Part Electrical Specifications

Product	Compliance	Status	Polarity	Type	$V_{CE(sat)}$ Max (V)	$I_C$ Cont. (A)	$V_{CE0}$ Min (V)	$V_{CB0}$ (V)	$V_{EB0}$ (V)	$V_{BE(sat)}$ (V)	$V_{BE(on)}$ (V)	$h_{FE}$ Min	$h_{FE}$ Max	$f_T$ Min (MHz)	$P_{TM}$ Max (W)	Package Type
2N5686G	Pb-free	Active	NPN	General Purp ose	1	50	80	80	5	2	2	15	60	2	300m	TO-204-2 / TO-3-2

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Created on: 9/23/2019