

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 - I_C Continuous = 50 Amperes.
- DC Current Gain - $h_{FE} = 15-60 @ I_C = 25 \text{ Adc}$
- Low Collector-Emitter Saturation Voltage - $V_{CE(sat)} = 1.0 \text{ Vdc (Max) @ } I_C = 25 \text{ Adc}$
- Pb-Free Packages are Available

Part Electrical Specifications

Product	Compliance	Status	Polarity	Type	$V_{CE(sat)}$ Max (V)	I_C Cont. (A)	V_{CEO} Min (V)	V_{CBO} (V)	V_{EBO} (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	300	TO-204-2 / TO-3-2

For more information please contact your local sales support at www.onsemi.com.

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