



Product Overview

2N6109: 7.0 A, 50V PNP Bipolar Power Transistor

For complete documentation, see the data sheet

Product Description

The Power 7A 70 V Bipolar NPN Transistor is designed for use in general-purpose amplifier and switching applications.

Features

- DC Current Gain Specified to 7.0 Amperes
 $h_{FE} = 30-150 @ I_C$
 $h_{FE} = 3.0 \text{ Adc } 2N6111, 2N6288$
 $h_{FE} = 2.3 (\text{Min}) @ I_C = 7.0 \text{ Adc} - \text{All Devices}$
- Collector-Emitter Sustaining Voltage
 $V_{CEO(sus)} = 30 \text{ Vdc (Min) } 2N6111, 2N6288$
 $V_{CEO(sus)} = 50 \text{ Vdc (Min) } - 2N6109$
 $V_{CEO(sus)} = 70 \text{ Vdc (Min) } - 2N6107, 2N6292$
- High Current Gain Bandwidth Product
 $f_T = 4.0 \text{ MHz (Min) } @ I_C = 500 \text{ mAdc } 2N6288, 90, 92$
 $f_T = 10 \text{ MHz (Min) } @ I_C = 500 \text{ mAdc } - 2N6107, 09, 11$
- TO-220AB Compact Package
- Pb-Free Packages are 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
2N6109G	Pb-free	Active	PNP	7	50	30	150	10	40	TO-220-3

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

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