



Product Overview

TIP42: PNP Bipolar Power Transistor

For complete documentation, see the data sheet

Product Description

The Bipolar Power Transistor is designed for general purpose power amplifier and switching applications. The TIP41, TIP41A, TIP41B, TIP41C (NPN); and TIP42, TIP42A, TIP42B, TIP42C (PNP) are complementary devices.

Features

- Collector-Emitter Saturation Voltage - $V_{CE(sat)} = 1.5 \text{ V}_{_{dc}}$ (Max) @ $I_C = 6.0 \text{ Adc}$
- Collector-Emitter Sustaining Voltage - $V_{CEO(sus)} = 60 \text{ Vdc}$ (min) - TIP41A, TIP42A
= 80 Vdc (min) - TIP41B, TIP42B
= 100 Vdc (min) - TIP41C, TIP42C
- High Current Gain Bandwidth Product
 $f_T = 3 \text{ MHz}$ (min) @ $I_C = 500 \text{ mAdc}$
- Compact TO-220 AB Package
- These are Pb-Free Packages

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
TIP42AG	Pb-free	Active	PNP	6	60	15	75	3	65	TO-220-3
TIP42BG	Pb-free	Active	PNP	6	80	15	75	3	65	TO-220-3
TIP42CG	Pb-free	Active	PNP	6	100	15	75	3	65	TO-220-3
TIP42G	Pb-free	Active	PNP	6	40	15	75	3	65	TO-220-3

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

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