

Product Overview

TIP42: PNP Bipolar Power Transistor

For complete documentation, see the data sheet.

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 - $V_{CE(sat)} = 1.5 \text{ V (Max) @ } I_C = 6.0 \text{ Adc}$
- 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	Pricing (\$/Unit)	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
TIP42AG	0.2089	Pb-free	Active	PNP	General Purpose	1.5	6	60	60	5	-	2	15	75	3	65	TO-220-3
TIP42BG	0.226	Pb-free	Active	PNP	General Purpose	1.5	6	80	80	5	-	2	15	75	3	65	TO-220-3
TIP42CG	0.2123	Pb-free	Active	PNP	General Purpose	1.5	6	100	100	5	-	2	15	75	3	65	TO-220-3
TIP42G	0.2263	Pb-free	Active	PNP	General Purpose	1.5	6	40	40	5	-	2	15	75	3	65	TO-220-3

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

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