

## Product Overview

### BD242C: 3.0 A, 100 V PNP Bipolar Power Transistor

For complete documentation, see the data sheet.

The 3 A, 100V PNP Bipolar Power Transistor designed for use in general purpose amplifier and switching applications. BD241C (NPN), BD242B (PNP) and BD242C (PNP) are complementary devices.

### Features

- Collector-Emitter Saturation Voltage -  $V_{CE} = 1.2 \text{ Vdc (Max) @ } I_C = 3.0 \text{ Adc}$
- Collector-Emitter Sustaining Voltage -  $V_{CEO(sus)} = 80 \text{ Vdc (Min.) BD242B}$   
 $= 100 \text{ Vdc (Min.) BD241C, BD242C}$
- High Current Gain - Bandwidth Product  $f_T = 3.0 \text{ MHz (Min) @ } I_C = 500 \text{ mAdc}$
- Compact TO-220 AB Package
- 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
BD242CG	Pb-free	Active	PNP	General Purp ose	1.2	3	100	115	5	-	1.8	25	-	3	40	TO- 220-3

For more information please contact your local sales support at [www.onsemi.com](http://www.onsemi.com).

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