

Product Overview

BDW47: 15 A, 100 V PNP Darlington Bipolar Power Transistor

For complete documentation, see the data sheet.

This series of plastic, medium-power NPN and PNP Darlington transistors are designed for general purpose and low speed switching applications. The BDW42, BDW46 and BDW47 are complementary devices.

Features

- High DC Current Gain - $h_{FE} = 2500$ (typ.) @ $I_C = 5.0$ Adc.
- Collector Emitter Sustaining Voltage @ 30 mAdc:
 $V_{CE(sus)} = 80$ Vdc (min.) BDW46
 $V_{CE(sus)} = 100$ Vdc (min.) - BDW42/BDW47
- Low Collector Emitter Saturation Voltage
 $V_{CE(sat)} = 2.0$ Vdc (max.) @ $I_C = 5.0$ Adc
 $V_{CE(sat)} = 3.0$ Vdc (max.) @ $I_C = 10.0$ Adc
- Monolithic Construction with Built-In Base Emitter Shunt resistors
- 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)	$V_{CE(sat)}$ Max (V)	h_{FE} Min (k)	h_{FE} Max (k)	f_T Min (MHz)	Package Type
BDW47G	Pb-free	Active	PNP	15	100	2	1	-	4	TO-220-3

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

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