

## Product Overview

### 2N6488: Power Bipolar Transistor, NPN, 80 V, 15 A

For complete documentation, see the data sheet.

The 15 A, 80 V PNP Bipolar Power Transistor is designed for use in general-purpose amplifier and switching applications. 2N6487, 2N6488 (NPN); and 2N6490, 2N6491 (PNP) are complementary devices.

### Features

- DC Current Gain Specified to 15 Amperes--  $h_{FE} = 20-150 @ I_C = 5.0 \text{ Adc}$ ;  $h_{FE} = 5.0 \text{ (Min) @ } I_C = 15 \text{ Adc}$
- Collector-Emitter Sustaining Voltage-- $V_{CEO(sus)} = 60 \text{ Vdc (Min) - 2N6487, 2N6490}$ ;  $V_{CEO(sus)} = 80 \text{ Vdc (Min) - 2N6488, 2N6491}$
- High Current Gain--Bandwidth Product  
 $f_T = 5.0 \text{ MHz (Min) @ } I_C = 1.0 \text{ Adc}$
- TO-220AB Compact Package
- Pb-Free Packages are Available

### Applications

- Designed for use in general-purpose amplifier and switching applications.

### 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
2N6488G	Pb-free	Active	NPN	General Purpose	1.3	15	80	90	5	-	1.3	20	150	5	75	TO-220-3

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