



## Product Overview

### MJB44H11: Bipolar Power Transistor, NPN, 10 A, 80 V, 50 Watt

For complete documentation, see the data sheet

#### Product Description

The PNP Bipolar Power Transistor is designed for general purpose power amplification and switching such as output or driver stages in applications such as switching regulators, converters and power amplifiers. The MJB44H11 (NPN) and MJB45H11 (PNP) are complementary devices.

#### Features

- Low Collector-Emitter Saturation Voltage -  $V_{CE(sat)} = 1.0 \text{ V (Max) @ } 8.0 \text{ A}$
- Fast Switching Speeds
- Complementary Pairs Simplifies Designs
- NJV Prefix for Automotive and Other Applications Requiring Unique Site and Control Change Requirements; AEC-Q101 Qualified and PPAP Capable
- PbFree Packages are Available

#### 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
MJB44H11G	AEC Qualified Pb-free Halide free	Active	NPN	10	80	60	-	-	50	D <sup>2</sup> PAK-3
MJB44H11T4G	Pb-free Halide free	Active	NPN	10	80	60	-	-	50	D <sup>2</sup> PAK-3
NJVMJB44H11T4G	AEC Qualified PPAP Capable Pb-free Halide free	Active	NPN	10	80	60	-	-	50	D <sup>2</sup> PAK-3

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