

Bipolar NPN Bare Die – BTN165

Part Description

The BTN165 is a general purpose NPN Darlington Transistor supplied in bare die form and is a direct replacement for the Central Semiconductor CMPTA29.

Key Parameters:

- VCBO = 100V
- VCEO = 100V
- VEBO = 12V
- HFE = 10000 @ VCE = 5V, IC = 100mA
- VCE SAT = 1.5V @ IC = 0.1A, IB = 0.1mA
- fT = 125MHz @ VCE = 5V, IE = 0A
- COBO = 8pF @ VCB = 10V

Features

These high reliability transistors are suited for assembly on thick & thin-film hybrid circuits with high mechanical quality & Gold back metallization. Electrically they are characterized over temperature & supplied in multiple hirel grade options.

Die Size (Unsawn)

680µm X 680µm, 27 Mils X 27 Mils

This is a shortform datasheet only For the full datasheet

Please contact sales@siliconsupplies.com

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