

Product Overview

NST3946DP6: NPN PNP Bipolar Transistor

For complete documentation, see the data sheet.

The NPN PNP Bipolar Transistor is a spinoff of our popular SOT23/SOT323/SOT563 three leaded device. It is designed for general purpose amplifier applications and is housed in the SOT963 six leaded surface mount package. By putting two discrete devices in one package, this device is ideal for low power surface mount applications where board space is at a premium.

Features

- hFE 100-300
- Low VCE(sat), <0.4 V
- Simplifies Circuit Design
- Reduces Board Space
- Reduces Component Count
- This is a Pb-Free Device

Applications

- Complementary General Purpose Switching Transistors

Part Electrical Specifications

Product	Pricing (\$/Unit)	Compliance	Status	Polarity	Type	V _{CE(sat)} Max (V)	I _C Cont. (A)	V _{CEO} Min (V)	V _{CB0} (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
NST3946DP6T5G	0.064	Pb-free Halide free non AEC-Q and PPAP	Active	Complementary	General Purpose	0.3 (NPN) 0.4 (PNP)	0.2	40	60	6	0.95	-	100	300	200	0.42	SOT-963
NSVT3946DP6T5G	0.1027	AEC Qualified PPAP Capable Pb-free Halide free	Active	Complementary	General Purpose	0.3 (NPN) 0.4 (PNP)	0.2	40	60	6	0.95	-	100	300	200	0.42	SOT-963

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

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