





## NST3946DP6T5G

Manufacturer Part Number	<b>NST3946DP6T5G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-NST3946DP6T5G
ECAD Model	 PCB Symbol, Footprint & 3D Mode
Parts Description	TRANS NPN/PNP 40V 0.2A SOT963
Package	SOT-963
Data sheet	<b>NST3946DP6T5G.pdf</b>
RoHs Status	 ROHS3 Compliant



**Get a Quote**

NST3946DP6T5G - onsemi.New Original in Stock. Download Linear Technology NST3946DP6T5G datasheet/specifications on AllelcoElec.com.

Request a quote for NST3946DP6T5G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications





NST3946DP6T5G Tech Specifications

NST3946DP6T5G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tape & Reel (TR)
Voltage - Collector Emitter Breakdown (Max)	40V	Operating Temperature	-55°C ~ 150°C (TJ)
Vce Saturation (Max) @ Ib, Ic	300mV @ 5mA, 50mA / 400mV @ 5mA, 50mA	Mounting Type	Surface Mount
Transistor Type	NPN, PNP	Frequency - Transition	200MHz, 250MHz
Supplier Device Package	SOT-963	DC Current Gain (hFE) (Min) @ Ic, Vce	100 @ 10mA, 1V
Series	-	Current - Collector Cutoff (Max)	-
Power - Max	350mW	Current - Collector (Ic) (Max)	200mA
Package / Case	SOT-963	Base Product Number	NST3946

### Parts with Similar Specifications

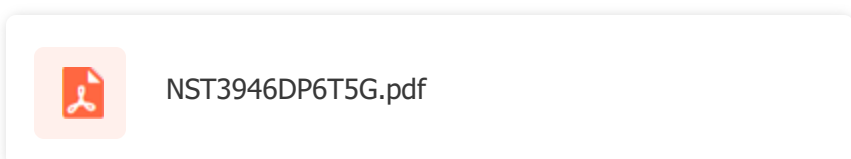
The three parts on the right have similar specifications to onsemi NST3946DP6T5G

Product Attribute	 NO PICTURE			
Part Number	NST3946DP6T5G	<b>NST65010MW6T1G</b>	<b>NST3906DXV6T1G</b>	<b>NST45010MW6T1G</b>
Manufacturer	onsemi	onsemi	onsemi	onsemi
Current - Collector Cutoff (Max)	-	15nA (ICBO)	-	15nA (ICBO)
Package / Case	SOT-963	6-TSSOP, SC-88, SOT-363	SOT-563, SOT-666	6-TSSOP, SC-88, SOT-363
Supplier Device Package	SOT-963	SC-88/SC70-6/SOT-363	SOT-563	SC-88/SC70-6/SOT-363
Power - Max	350mW	380mW	500mW	380mW
Voltage - Collector Emitter Breakdown (Max)	40V	65V	40V	45V
DC Current Gain (hFE) (Min) @ Ic, Vce	100 @ 10mA, 1V	220 @ 2mA, 5V	100 @ 10mA, 1V	220 @ 2mA, 5V
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Frequency - Transition	200MHz, 250MHz	100MHz	250MHz	100MHz
Base Product Number	NST3946	NST65010	NST3906	NST45010
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	-	-	-	-
Vce Saturation (Max) @ Ib, Ic	300mV @ 5mA, 50mA / 400mV @ 5mA, 50mA	650mV @ 5mA, 100mA	400mV @ 5mA, 50mA	650mV @ 5mA, 100mA
Transistor Type	NPN, PNP	2 PNP (Dual)	2 PNP (Dual)	2 PNP (Dual) Matched Pair
Current - Collector (Ic) (Max)	200mA	100mA	200mA	100mA

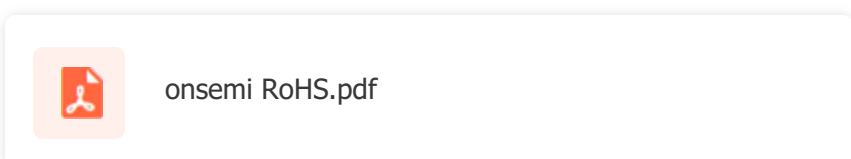
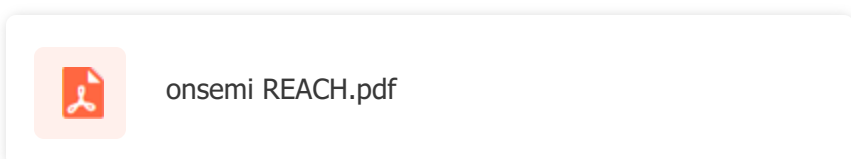
### NST3946DP6T5G Datasheet PDF

Download NST3946DP6T5G pdf datasheets and onsemi documentation for NST3946DP6T5G - onsemi.

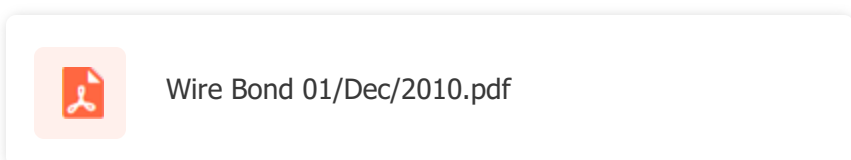
#### Datasheets



#### Environmental Information



#### PCN Design/Specification



### Customers Also Interested in

#### Recommended Products



### NST3906DXV6T1G

Rochester Electronics, LLC  
NST3906DXV6 - TRANS BJTS 2 PNP (

### NST65010MW6T1G

onsemi  
TRANS 2PNP 65V 0.1A SC88

### NST3906DXV6T1G

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TRANS 2PNP 40V 0.2A SOT563

### NST45010MW6T1G

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TRANS 2PNP 45V 0.1A SC88/SC70-6

### NST45011MW6T1G

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TRANS 2PNP 45V 0.1A SC88/SC70-6

### NST847BF3T5G

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TRANS NPN 45V 0.1A SOT1123



### NST3946DXV6T1G

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TRANS NPN/PNP 40V 0.2A SOT563



### NST3906DP6T5G

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TRANS 2PNP 40V 0.2A SOT963



### NST857BDP6T5G

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TRANS 2PNP 45V 0.1A SOT963



### NST3906DXV6T1

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TRANS 2PNP 40V 0.2A SOT563



### NST3946DXV6T5G

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TRANS NPN/PNP 40V 0.2A SOT563



### NST3906F3T5G

onsemi  
TRANS PNP 40V 0.2A SOT1123



### NST847BDP6T5G

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TRANS 2PNP 45V 0.1A SOT963



### NST846BF3T5G

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TRANS NPN 65V 0.1A SOT1123



### NST3904F3T5G

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TRANS NPN 40V 0.2A SOT1123



### NST489AMT1G

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TRANS NPN 30V 2A 6T5OP



### NST3904DXV6T5

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TRANS 2PNP 40V 0.2A SOT563



### NST3904DXV6T5G

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TRANS 2PNP 40V 0.2A SOT563

## Shipment

### Delivery Time

In-stock items can be shipped within 24 hours. Some parts will be arranged for delivery within 1-2 days from the date all items arrive at our warehouse. And Alleco ships order once a day at about 17:00, except Sunday. Once the goods are shipped, the estimated delivery time depends on the shipping methods and Delivery destination. The table below shows are the logistic time for some common countries.

### Delivery Cost

> Use your express account for shipment if you have one.

> Use our account for the shipment. Refer to the table below for the approximate charges.

(Different time frame / countries / package size has different price.)

### Delivery Method

> Global Common Shipment by DHL / UPS / FedEx / TNT / EMS / SF we support.

> Others more shipping ways, please get in touch with your customer manager.

Common Countries Logistic Time Reference		
Region	Country	Logistic Time(Day)
America	United States	5
	Brazil	7
Europe	Germany	5
	United Kingdom	4
	Italy	5
Oceania	Australia	6
	New Zealand	7
Asia	India	6
	Japan	7
Middle East	Israel	6

DHL & FedEx Shipment Charges Reference	
Shipment charges(KG)	Reference DHL(USD\$)
0.00kg-1.00kg	USD\$60.00
1.00kg-2.00kg	USD\$70.00
2.00kg-3.00kg	USD\$80.00

Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.

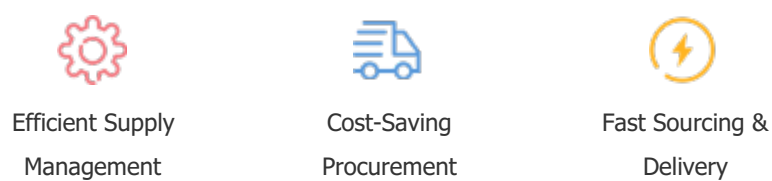
Contact us if you have any questions.

## Payment Support

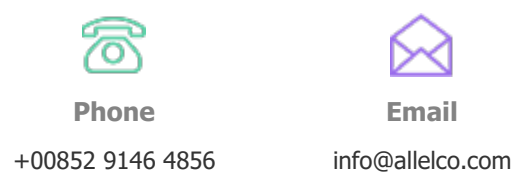
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



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