



Image may be representation.
See specifications for product details.



NST3946DXV6T1G

Manufacturer Part Number	NST3946DXV6T1G
Manufacturer	onsemi
Allelco Part Number	32D-NST3946DXV6T1G
ECAD Model	Request Free CAD Models
Parts Description	TRANS NPN/PNP 40V 0.2A SOT563
Package	SOT-563, SOT-666
Data sheet	NST3946DXV6T1,5.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

NST3946DXV6T1G - onsemi.New Original in Stock. Download Linear Technology NST3946DXV6T1G datasheet/specifications on AllelcoElec.com.
Request a quote for NST3946DXV6T1G, please send us email: info@allelco.com

Specifications

NST3946DXV6T1G Tech Specifications
NST3946DXV6T1G - 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	300MHz, 250MHz
Supplier Device Package	SOT-563	DC Current Gain (hFE) (Min) @ Ic, Vce	100 @ 10mA, 1V
Series	-	Current - Collector Cutoff (Max)	-
Power - Max	500mW	Current - Collector (Ic) (Max)	200mA
Package / Case	SOT-563, SOT-666	Base Product Number	NST3946

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NST3946DXV6T1G

Product Attribute				
Part Number	NST3946DXV6T1G	NST847BDP6T5G	NST65010MW6T1G	NST45011MW6T1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Supplier Device Package	SOT-563	SOT-963	SC-88/SC70-6/SOT-363	SC-88/SC70-6/SOT-363
Series	-	-	-	-
Current - Collector (Ic) (Max)	200mA	100mA	100mA	100mA
Transistor Type	NPN, PNP	2 NPN (Dual)	2 PNP (Dual)	2 NPN (Dual) Matched Pair
Package / Case	SOT-563, SOT-666	SOT-963	6-TSSOP, SC-88, SOT-363	6-TSSOP, SC-88, SOT-363
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Frequency - Transition	300MHz, 250MHz	100MHz	100MHz	100MHz
Power - Max	500mW	350mW	380mW	380mW
Voltage - Collector Emitter Breakdown (Max)	40V	45V	65V	45V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Base Product Number	NST3946	NST847	NST65010	NST45011
DC Current Gain (hFE) (Min) @ Ic, Vce	100 @ 10mA, 1V	200 @ 2mA, 5V	220 @ 2mA, 5V	200 @ 2mA, 5V
Vce Saturation (Max) @ Ib, Ic	300mV @ 5mA, 50mA / 400mV @ 5mA, 50mA	600mV @ 5mA, 100mA	650mV @ 5mA, 100mA	600mV @ 5mA, 100mA
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Current - Collector Cutoff (Max)	-	15nA (ICBO)	15nA (ICBO)	15nA (ICBO)

NST3946DXV6T1G Datasheet PDF

Download NST3946DXV6T1G pdf datasheets and onsemi documentation for NST3946DXV6T1G - onsemi.

Datasheets

[NST3946DXV6T1,5.pdf](#)

Environmental Information

[onsemi RoHS.pdf](#)

PCN Assembly/Origin

[Mult Dev 24/Apr/2020.pdf](#)

PCN Packaging

[Carrier Tape 15/Aug/2017.pdf](#)



















[Mult Devices 27/Oct/2017.pdf](#)

PCN Design/Specification

[\[Link\]](#)

Customers Also Interested in

Recommended Products

 NST847BDP6T5G onsemi TRANS 2NPN 45V 0.1A SOT963	 NST3906DXV6T1G Rochester Electronics, LLC NST3906DXV6 - TRANS BJTS 2 PNP ( NST65010MW6T1G onsemi TRANS 2PNP 65V 0.1A SC88	 NST3904F3T5G onsemi TRANS NPN 40V 0.2A SOT1123	 NST45011MW6T1G onsemi TRANS 2NPN 45V 0.1A SC88/SC70-6	 NST3906DP6T5G onsemi TRANS 2PNP 40V 0.2A SOT963
 NST489AMT1G onsemi TRANS NPN 30V 2A 6TSOP	 NST3906DXV6T1 onsemi TRANS 2PNP 40V 0.2A SOT563	 NST3906F3T5G onsemi TRANS PNP 40V 0.2A SOT1123	 NST3904DXV6T5 onsemi TRANS 2NPN 40V 0.2A SOT563	 NST3904DXV6T5G onsemi TRANS 2NPN 40V 0.2A SOT563	 NST3946DXV6T5G onsemi TRANS NPN/PNP 40V 0.2A SOT563
 NST45010MW6T1G onsemi TRANS 2PNP 45V 0.1A SC88/SC70-6	 NST3906DXV6T1G onsemi TRANS 2PNP 40V 0.2A SOT563	 NST857BDP6T5G onsemi TRANS 2PNP 45V 0.1A SOT963	 NST846BF3T5G onsemi TRANS NPN 65V 0.1A SOT1123	 NST3946DP6T5G onsemi TRANS NPN/PNP 40V 0.2A SOT963	 NST847BF3T5G onsemi TRANS NPN 45V 0.1A SOT1123

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 Allelco 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 -

-  Efficient Supply Management
-  Cost-Saving Procurement
-  Fast Sourcing & Delivery

Contact us if you have any questions.

-  Phone
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Certifications & Memberships



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