



Image may be representation.
See specifications for product details.



NSVBC817-40WT1G

| | |
|--------------------------|----------------------------------|
| Manufacturer Part Number | NSVBC817-40WT1G |
| Manufacturer | onsemi |
| Allelco Part Number | 32D-NSVBC817-40WT1G |
| ECAD Model | PCB Symbol, Footprint & 3D Model |
| Parts Description | TRANS NPN 45V 0.5A SC70-3 |
| Package | SC-70, SOT-323 |
| Data sheet | BC817-40W.pdf |
| RoHs Status | ROHS3 Compliant |

Get a Quote

NSVBC817-40WT1G - onsemi.New Original in Stock. Download Linear Technology NSVBC817-40WT1G datasheet/specifications on AllelcoElec.com.
Request a quote for NSVBC817-40WT1G, please send us email: info@allelco.com

Specifications

NSVBC817-40WT1G Tech Specifications
NSVBC817-40WT1G - onsemi technical specifications, attributes, parameters

| Product Attribute | Attribute Value | Product Attribute | Attribute Value |
|---|----------------------|---------------------------------------|--------------------|
| Manufacturer | onsemi | Package | Tape & Reel (TR) |
| Voltage - Collector Emitter Breakdown (Max) | 45 V | Operating Temperature | -55°C ~ 150°C (TJ) |
| Vce Saturation (Max) @ Ib, Ic | 700mV @ 50mA, 500mA | Mounting Type | Surface Mount |
| Transistor Type | NPN | Frequency - Transition | 100MHz |
| Supplier Device Package | SC-70-3 (SOT323) | DC Current Gain (hFE) (Min) @ Ic, Vce | 250 @ 100mA, 1V |
| Series | Automotive, AEC-Q101 | Current - Collector Cutoff (Max) | 100nA (ICBO) |
| Power - Max | 460 mW | Current - Collector (Ic) (Max) | 500 mA |
| Package / Case | SC-70, SOT-323 | Base Product Number | NSVBC817 |

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NSVBC817-40WT1G

| Product Attribute | | | | |
|---|----------------------|--------------------|---------------------------|---------------------------|
| Part Number | NSVBC817-40WT1G | NSVBC846BM3T5G | NSVBC850BLT1G | NSVBC858BLT1G |
| Manufacturer | onsemi | onsemi | onsemi | onsemi |
| Vce Saturation (Max) @ Ib, Ic | 700mV @ 50mA, 500mA | 600mV @ 5mA, 100mA | 600mV @ 5mA, 100mA | 650mV @ 5mA, 100mA |
| DC Current Gain (hFE) (Min) @ Ic, Vce | 250 @ 100mA, 1V | 200 @ 2mA, 5V | 200 @ 2mA, 5V | 220 @ 2mA, 5V |
| Package / Case | SC-70, SOT-323 | SOT-723 | TO-236-3, SC-59, SOT-23-3 | TO-236-3, SC-59, SOT-23-3 |
| Series | Automotive, AEC-Q101 | - | - | - |
| Power - Max | 460 mW | 265 mW | 225 mW | 300 mW |
| Supplier Device Package | SC-70-3 (SOT323) | SOT-723 | SOT-23-3 (TO-236) | SOT-23-3 (TO-236) |
| Voltage - Collector Emitter Breakdown (Max) | 45 V | 65 V | 45 V | 30 V |
| Current - Collector Cutoff (Max) | 100nA (ICBO) | 15nA (ICBO) | 15nA (ICBO) | 15nA (ICBO) |
| Operating Temperature | -55°C ~ 150°C (TJ) | -55°C ~ 150°C (TJ) | -55°C ~ 150°C (TJ) | -55°C ~ 150°C (TJ) |
| Current - Collector (Ic) (Max) | 500 mA | 100 mA | 100 mA | 100 mA |
| Base Product Number | NSVBC817 | NSVBC846 | NSVBC850 | NSVBC858 |
| Transistor Type | NPN | NPN | NPN | PNP |
| Mounting Type | Surface Mount | Surface Mount | Surface Mount | Surface Mount |
| Package | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) | Tape & Reel (TR) |
| Frequency - Transition | 100MHz | 100MHz | 100MHz | 100MHz |

NSVBC817-40WT1G Datasheet PDF

Download NSVBC817-40WT1G pdf datasheets and onsemi documentation for NSVBC817-40WT1G - onsemi.

Datasheets

[BC817-40W.pdf](#)

Environmental Information

[onsemi RoHS.pdf](#)

PCN Assembly/Origin

[Mult Changes 09/Sep/2020.pdf](#)

Customers Also Interested in

Recommended Products

**NSVBC143ZPDXV6T5G**

onsemi
TRANS PREBIAS NPN/PNP 50V
SOT563

**NSVBC846BM3T5G**

onsemi
TRANS NPN 65V 0.1A SOT723

**NSVBC114EDXV6T1G**

onsemi
TRANS 2NPN BIAS BIPOLAR SOT563

**NSVBC850BLT1G**

onsemi
TRANS NPN 45V 0.1A SOT23-3

**NSVBC858BLT1G**

onsemi
TRANS PNP 30V 0.1A SOT23-3

**NSVBC124EPDXV6T1G**

onsemi
SS SOT563 DUAL RSTR XSTR

**NSVBC144EPDXV6T1G**

onsemi
TRANS PREBIAS NPN/PNP 50V
SOT563

**NSVBC143ZPDXV6T1G**

onsemi
TRANS PREBIAS NPN/PNP 50V
SOT563

**NSVBC817-16LT1G**

onsemi
TRANS NPN 45V 0.5A SOT23-3

**NSVBCP69T1G**

onsemi
TRANS PNP 20V 1A SOT223

**NSVBC818-40LT1G**

onsemi
TRANS NPN 25V 0.5A SOT23-3

**NSVBC848CLT1G**

onsemi
TRANS NPN 30V 0.1A SOT23-3

**NSVBAV99WT3G**

onsemi
DIODE ARRAY GP 99V 200MA SC70

**NSVBC847BTT1G**

onsemi
TRANS NPN 45V 0.1A SC75 SOT416

**NSVBC114YDXV6T1G**

onsemi
TRANS PREBIAS 2NPN 50V SOT563

**NSVBCP56-10T3G**

onsemi
TRANS NPN 80V 1A SOT223

**NSVBC857BLT3G**

onsemi
TRANS PNP 45V 0.1A SOT23-3

**NSVBCP53-16T3G**

onsemi
TRANS PNP 80V 1.5A SOT223

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.

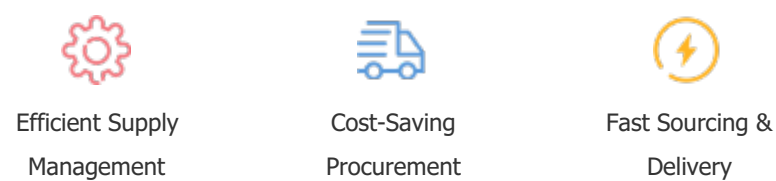
Contact us if you have any questions.

Payment Support

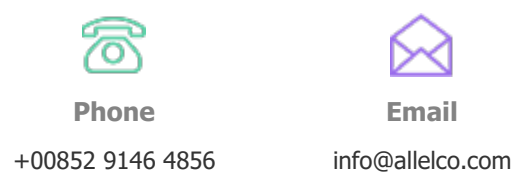
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



[View More](#)