



Image may be representation.  
See specifications for product details.



## SBC817-40LT1G

Manufacturer Part Number	<b>SBC817-40LT1G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-SBC817-40LT1G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	TRANS NPN 45V 0.5A SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	<b>BC817-xxL, SBC817-xxL.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

SBC817-40LT1G - onsemi.New Original in Stock. Download Linear Technology SBC817-40LT1G datasheet/specifications on AllelcoElec.com.  
Request a quote for SBC817-40LT1G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SBC817-40LT1G Tech Specifications  
SBC817-40LT1G - 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	-65°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	SOT-23-3 (TO-236)	DC Current Gain (hFE) (Min) @ Ic, Vce	250 @ 100mA, 1V
Series	Automotive, AEC-Q101	Current - Collector Cutoff (Max)	100nA (ICBO)
Power - Max	300 mW	Current - Collector (Ic) (Max)	500 mA
Package / Case	TO-236-3, SC-59, SOT-23-3	Base Product Number	SBC817

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi SBC817-40LT1G

Product Attribute				
Part Number	SBC817-40LT1G	SBC807-25WT1G	SBC846ALT1G	SBC846BWT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Power - Max	300 mW	460 mW	300 mW	150 mW
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Vce Saturation (Max) @ Ib, Ic	700mV @ 50mA, 500mA	700mV @ 50mA, 500mA	600mV @ 5mA, 100mA	600mV @ 5mA, 100mA
Voltage - Collector Emitter Breakdown (Max)	45 V	45 V	65 V	65 V
Transistor Type	NPN	PNP	NPN	NPN
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101	Automotive, AEC-Q101
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
DC Current Gain (hFE) (Min) @ Ic, Vce	250 @ 100mA, 1V	160 @ 100mA, 1V	110 @ 2mA, 5V	200 @ 2mA, 5V
Current - Collector Cutoff (Max)	100nA (ICBO)	100nA (ICBO)	15nA (ICBO)	15nA (ICBO)
Supplier Device Package	SOT-23-3 (TO-236)	SC-70-3 (SOT323)	SOT-23-3 (TO-236)	SC-70-3 (SOT323)
Package / Case	TO-236-3, SC-59, SOT-23-3	SC-70, SOT-323	TO-236-3, SC-59, SOT-23-3	SC-70, SOT-323
Operating Temperature	-65°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Base Product Number	SBC817	SBC807	SBC846	SBC846
Current - Collector (Ic) (Max)	500 mA	500 mA	100 mA	100 mA
Frequency - Transition	100MHz	100MHz	100MHz	100MHz

### SBC817-40LT1G Datasheet PDF

Download SBC817-40LT1G pdf datasheets and onsemi documentation for SBC817-40LT1G - onsemi.

#### Datasheets

[BC817-xxL, SBC817-xxL.pdf](#)

#### Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

#### PCN Design/Specification

[SOT23 27/Sep/2016.pdf](#)



















[Pd-Coated Cu Wire Update 23/Sep/2015.pdf](#)

#### PCN Assembly/Origin

[Mult Dev Mold Comp Chg 16/Nov/2019.pdf](#)

### Customers Also Interested in

## Recommended Products

 <b>SBC846BDW1T1</b> AMI Semiconductor/onsemi	 <b>SBC807-25WT1G</b> onsemi TRANS PNP 45V 0.5A SOT23-3	 <b>SBC846ALT1G</b> onsemi TRANS NPN 65V 0.1A SOT23-3	 <b>SBC846BWT1G</b> onsemi TRANS NPN 65V 0.1A SC70-3	 <b>SBC807-40</b> AMI Semiconductor/onsemi	 <b>SBC846BDW1T1G</b> onsemi TRANS 2NPN 65V 0.1A SC88/SC70-6
 <b>SBC846BLT1G</b> onsemi TRANS NPN 65V 0.1A SOT23-3	 <b>SBC807-40LT1G</b> onsemi TRANS PNP 45V 0.5A SOT23-3	 <b>SBC846BPDW1T1G</b> onsemi TRANS NPN/PNP 65V 0.1A SOT363	 <b>SBC808-25LT1G</b> onsemi TRANS PNP 25V 0.5A SOT23-3	 <b>SBC817-25LT3G</b> onsemi TRANS NPN 45V 0.5A SOT23-3	 <b>SBC817-25LT3G-M01</b> AMI Semiconductor/onsemi
 <b>SBC846BLT3G</b> onsemi TRANS NPN 65V 0.1A SOT23-3	 <b>SBC817-25LT1G</b> onsemi TRANS NPN 45V 0.5A SOT23-3	 <b>SBC807-25LT3G</b> onsemi TRANS PNP 45V 0.5A SOT23-3	 <b>SBC817-16LT3G</b> onsemi TRANS NPN 45V 0.5A SOT23-3	 <b>SBC817-16LT1G</b> AMI Semiconductor/onsemi	 <b>SBC846BPDW1T2G</b> onsemi TRANS NPN/PNP 65V 0.1A SOT363

## 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

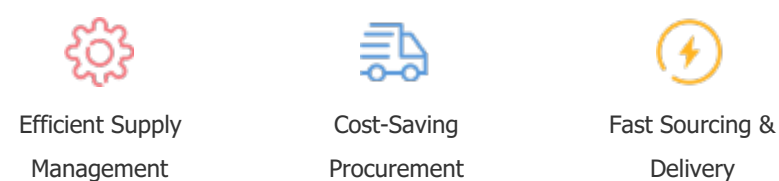
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

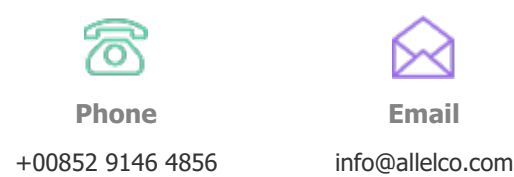
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



[View More](#)