

Image may be representation.  
See specifications for product details.



## MMBTA42LT3G

Manufacturer Part Number	<b>MMBTA42LT3G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-MMBTA42LT3G
ECAD Model	Request Free CAD Models
Parts Description	TRANS NPN 300V 0.5A SOT23-3
Package	TO-236-3, SC-59, SOT-23-3
Data sheet	<b>MMBT,SMMBTA(42,43)L.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MMBTA42LT3G - onsemi.New Original in Stock. Download Linear Technology MMBTA42LT3G datasheet/specifications on AllelcoElec.com.  
Request a quote for MMBTA42LT3G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MMBTA42LT3G Tech Specifications

MMBTA42LT3G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tape & Reel (TR)
Voltage - Collector Emitter Breakdown (Max)	300 V	Operating Temperature	-55°C ~ 150°C (TJ)
Vce Saturation (Max) @ Ib, Ic	500mV @ 2mA, 20mA	Mounting Type	Surface Mount
Transistor Type	NPN	Frequency - Transition	50MHz
Supplier Device Package	SOT-23-3 (TO-236)	DC Current Gain (hFE) (Min) @ Ic, Vce	40 @ 30mA, 10V
Series	-	Current - Collector Cutoff (Max)	100nA (ICBO)
Power - Max	225 mW	Current - Collector (Ic) (Max)	500 mA
Package / Case	TO-236-3, SC-59, SOT-23-3	Base Product Number	MMBTA42

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MMBTA42LT3G

Product Attribute				
Part Number	MMBTA42LT3G	MMBTA44	MMBTA42LT1	MMBTA44
Manufacturer	onsemi	Yangzhou Yangjie Electronic Technology Co.,Ltd	Infineon Technologies	Diotec Semiconductor
Power - Max	225 mW	350 mW	225 mW	250 mW
Base Product Number	MMBTA42	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Strip
Current - Collector Cutoff (Max)	100nA (ICBO)	100nA (ICBO)	100nA (ICBO)	100nA (ICBO)
Frequency - Transition	50MHz	-	50MHz	50MHz
Current - Collector (Ic) (Max)	500 mA	200 mA	500 mA	300 mA
Operating Temperature	-55°C ~ 150°C (TJ)	150°C (TJ)	-	-55°C ~ 150°C (TJ)
Package / Case	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)
DC Current Gain (hFE) (Min) @ Ic, Vce	40 @ 30mA, 10V	50 @ 10mA, 10V	40 @ 30mA, 10V	50 @ 10mA, 10V
Voltage - Collector Emitter Breakdown (Max)	300 V	400 V	300 V	400 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Transistor Type	NPN	NPN	NPN	NPN
Series	-	-	-	-
Vce Saturation (Max) @ Ib, Ic	500mV @ 2mA, 20mA	500mV @ 1mA, 10mA	500mV @ 2mA, 20mA	750mV @ 5mA, 50mA

### MMBTA42LT3G Datasheet PDF

Download MMBTA42LT3G pdf datasheets and onsemi documentation for MMBTA42LT3G - onsemi.

#### Datasheets

[MMBT,SMMBTA\(42,43\)L.pdf](#)

#### Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

#### PCN Design/Specification

[SOT23 16/Sep/2016.pdf](#)



















[Glue Mount Process 11/July/2008.pdf](#)

#### PCN Assembly/Origin

[MMBTayyy 20/Apr/2020.pdf](#)

### Customers Also Interested in

## Recommended Products

 <b>MMBTA44</b> Yangzhou Yangjie Electronic Technology Co.,Ltd TRANS NPN 400V 0.2A SOT23	 <b>MMBTA42L-AE3-R</b> UTC	 <b>MMBTA42LT1</b> Infineon Technologies TRANS NPN 300V 0.5A SOT23-3	 <b>MMBTA43-RTK/P</b> KEC	 <b>MMBTA42TL1</b> LRC	 <b>MMBTA44 3D</b> CJ
 <b>MMBTA43</b> Texas Instruments	 <b>MMBTA42-RTK/P</b> AMI Semiconductor/onsemi	 <b>MMBTA44</b> Diotec Semiconductor TRANS NPN 400V 0.3A SOT23-3	 <b>MMBTA42LT1</b> onsemi TRANS SS NPN 300V HV SOT23	 <b>MMBTA42-AE3-R</b> UTC	 <b>MMBTA42LT1G</b> onsemi TRANS NPN 300V 0.5A SOT23-3
 <b>MMBTA42G-AE3-R</b> UTC	 <b>MMBTA42Q-7-F</b> Diodes Incorporated SS HI VOLTAGE TRANSISTOR SOT23 T	 <b>MMBTA421D</b>	 <b>MMBTA42-NL</b> Fairchild (onsemi)	 <b>MMBTA42T/R</b> PANJIT	 <b>MMBTA42/TR</b> PANJIT

## 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  
+00852 9146 4856
-  Email  
info@allelco.com

## Certifications & Memberships



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### Contact us

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