

Image may be representation.
See specifications for product details.



SMMBTA42LT1G

Manufacturer Part Number	SMMBTA42LT1G
Manufacturer	onsemi
Allelco Part Number	32D-SMMBTA42LT1G
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	MMBT,SMMBTA(42,43)L.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

SMMBTA42LT1G - onsemi.New Original in Stock. Download Linear Technology SMMBTA42LT1G datasheet/specifications on AllelcoElec.com.
Request a quote for SMMBTA42LT1G, please send us email: info@allelco.com

Specifications

SMMBTA42LT1G Tech Specifications

SMMBTA42LT1G - 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	Automotive, AEC-Q101	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	SMMBTA42

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi SMMBTA42LT1G

Product Attribute				
Part Number	SMMBTA42LT1G	SMMBTA56LT3G	SMMBTA56WT1G	SMMBTA56LT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
DC Current Gain (hFE) (Min) @ Ic, Vce	40 @ 30mA, 10V	100 @ 100mA, 1V	100 @ 100mA, 1V	100 @ 100mA, 1V
Current - Collector (Ic) (Max)	500 mA	500 mA	500 mA	500 mA
Series	Automotive, AEC-Q101	Automotive, AEC-Q101	-	Automotive, AEC-Q101
Voltage - Collector Emitter Breakdown (Max)	300 V	80 V	80 V	80 V
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SC-70-3 (SOT323)	SOT-23-3 (TO-236)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Frequency - Transition	50MHz	50MHz	50MHz	50MHz
Power - Max	225 mW	225 mW	150 mW	225 mW
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Package / Case	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	SC-70, SOT-323	TO-236-3, SC-59, SOT-23-3
Current - Collector Cutoff (Max)	100nA (ICBO)	100nA	100nA	100nA
Base Product Number	SMMBTA42	SMMBTA56	SMMBTA56	SMMBTA56
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Vce Saturation (Max) @ Ib, Ic	500mV @ 2mA, 20mA	250mV @ 10mA, 100mA	250mV @ 10mA, 100mA	250mV @ 10mA, 100mA
Transistor Type	NPN	PNP	PNP	PNP

SMMBTA42LT1G Datasheet PDF

Download SMMBTA42LT1G pdf datasheets and onsemi documentation for SMMBTA42LT1G - onsemi.

Datasheets

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

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Design/Specification



















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

PCN Assembly/Origin

[Mold Compound 10/Nov/2021.pdf](#)

Customers Also Interested in

Recommended Products

					
SMBTA56LT3G onsemi TRANS PNP 80V 0.5A SOT23-3	SMBTA56WT1G onsemi TRANS PNP 80V 0.5A SC70-3	SMMD805-SOD323 MACOM Technology Solutions DIODE,SRD-CHIP-PACKAGE, SOD323	SMBTA56LT1G onsemi TRANS PNP 80V 0.5A SOT23-3	SMMBT6427LT1G onsemi TRANS NPN DARL 40V 0.5A SOT23-3	SMMD810-SOD323 MACOM Technology Solutions DIODE,SRD-CHIP-PACKAGE, SOD323
					
SMBTA64LT1G onsemi TRANS PNP DARL 30V 0.5A SOT23-3	SMMBTA06LT3G onsemi TRANS NPN 80V 0.5A SOT23-3	SMMD820-SOD323 MACOM Technology Solutions DIODE,SRD-CHIP-PACKAGE, SOD323	SMMBT5401LT1G onsemi TRANS PNP 150V 0.5A SOT23-3	SMMBTA06LT1G onsemi TRANS NPN 80V 0.5A SOT23-3	SMMBT3906WT1G onsemi TRANS PNP 40V 0.2A SC70-3
					
SMMBT4401LT1G onsemi TRANS NPN 40V 0.6A SOT23-3	SMMBT5551LT3G onsemi TRANS NPN 160V 0.6A SOT23-3	SMMBTA42LT3G onsemi TRANS NPN 300V 0.5A SOT23-3	SMMBZ33VALT1G onsemi TVS DIODES 26VWM 46VC SOT23	SMMBTA92LT1G onsemi TRANS PNP 300V 0.5A SOT23-3	SMMBT4403LT1G onsemi TRANS PNP 40V 0.6A SOT23-3

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.

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 +00852 9146 4856 info@allelco.com

Certifications & Memberships



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