



MMBTA42LT1

Manufacturer Part Number	MMBTA42LT1
Manufacturer	Infineon Technologies
Allelco Part Number	32D-MMBTA42LT1
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	MMBTA42LT1.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

MMBTA42LT1 - Infineon Technologies.New Original in Stock. Download Linear Technology MMBTA42LT1 datasheet/specifications on AllelcoElec.com.
Request a quote for MMBTA42LT1, please send us email: info@allelco.com

Specifications

MMBTA42LT1 Tech Specifications

MMBTA42LT1 - Infineon Technologies technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Infineon Technologies	Package	Bulk
Voltage - Collector Emitter Breakdown (Max)	300 V	Operating Temperature	-
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		

Parts with Similar Specifications

The three parts on the right have similar specifications to Infineon Technologies MMBTA42LT1

Product Attribute	NO PICTURE			
Part Number	MMBTA42LT1	MMBTA44	MMBTA42LT3G	MMBTA42Q-7-F
Manufacturer	Infineon Technologies	Diodec Semiconductor	onsemi	Diodes Incorporated
Frequency - Transition	50MHz	50MHz	50MHz	50MHz
Power - Max	225 mW	250 mW	225 mW	300 mW
Transistor Type	NPN	NPN	NPN	NPN
Series	-	-	-	Automotive, AEC-Q101
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Operating Temperature	-	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)
Voltage - Collector Emitter Breakdown (Max)	300 V	400 V	300 V	300 V
DC Current Gain (hFE) (Min) @ Ic, Vce	40 @ 30mA, 10V	50 @ 10mA, 10V	40 @ 30mA, 10V	40 @ 30mA, 10V
Current - Collector Cutoff (Max)	100nA (ICBO)	100nA (ICBO)	100nA (ICBO)	100nA (ICBO)
Supplier Device Package	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3 (TO-236)	SOT-23-3
Package	Bulk	Strip	Tape & Reel (TR)	Tape & Reel (TR)
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
Vce Saturation (Max) @ Ib, Ic	500mV @ 2mA, 20mA	750mV @ 5mA, 50mA	500mV @ 2mA, 20mA	500mV @ 2mA, 20mA
Current - Collector (Ic) (Max)	500 mA	300 mA	500 mA	500 mA

Customers Also Interested in

Recommended Products

		NO PICTURE			NO PICTURE
MMBTA44 Diodec Semiconductor TRANS NPN 400V 0.3A SOT23-3	MMBTA42LT3G onsemi TRANS NPN 300V 0.5A SOT23-3	MMBTA42TL1 LRC	MMBTA42Q-7-F Diodes Incorporated SS HI VOLTAGE TRANSISTOR SOT23 T	MMBTA42-RTK/P AMI Semiconductor/onsemi	MMBTA421D
NO PICTURE					
MMBTA42L-AE3-R UTC	MMBTA42-7-F Diodes Incorporated TRANS NPN 300V 0.5A SOT23-3	MMBTA42LT1G onsemi TRANS NPN 300V 0.5A SOT23-3	MMBTA42-7 Diodes Incorporated TRANS NPN 300V 0.5A SOT23-3	MMBTA43 Texas Instruments	MMBTA44 Yangzhou Yangjie Electronic Technology Co.,Ltd TRANS NPN 400V 0.2A SOT23
NO PICTURE	NO PICTURE			NO PICTURE	NO PICTURE

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.



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Efficient Supply
Management



Cost-Saving
Procurement



Fast Sourcing &
Delivery

Contact us if you have any questions.



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Certifications & Memberships



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