



Image may be representation.  
See specifications for product details.



## MMBTA06WT1G

Manufacturer Part Number	<b>MMBTA06WT1G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-MMBTA06WT1G
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	TRANS NPN 80V 0.5A SC70-3
Package	SC-70, SOT-323
Data sheet	<b>MMBT/SMMBTA06W.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MMBTA06WT1G - onsemi.New Original in Stock. Download Linear Technology MMBTA06WT1G datasheet/specifications on AllelcoElec.com.  
Request a quote for MMBTA06WT1G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MMBTA06WT1G Tech Specifications

MMBTA06WT1G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tape & Reel (TR)
Voltage - Collector Emitter Breakdown (Max)	80 V	Operating Temperature	-55°C ~ 150°C (TJ)
Vce Saturation (Max) @ Ib, Ic	250mV @ 10mA, 100mA	Mounting Type	Surface Mount
Transistor Type	NPN	Frequency - Transition	100MHz
Supplier Device Package	SC-70-3 (SOT323)	DC Current Gain (hFE) (Min) @ Ic, Vce	100 @ 100mA, 1V
Series	-	Current - Collector Cutoff (Max)	100nA
Power - Max	150 mW	Current - Collector (Ic) (Max)	500 mA
Package / Case	SC-70, SOT-323	Base Product Number	MMBTA06

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MMBTA06WT1G

Product Attribute				
Part Number	MMBTA06WT1G	MMBTA13	MMBTA06LT1	MMBTA13LT1
Manufacturer	onsemi	onsemi	Infineon Technologies	onsemi
Package / Case	SC-70, SOT-323	TO-236-3, SC-59, SOT-23-3	TO-236-3, SC-59, SOT-23-3	-
Supplier Device Package	SC-70-3 (SOT323)	SOT-23-3	SOT-23-3 (TO-236)	-
Transistor Type	NPN	NPN - Darlington	NPN	-
Voltage - Collector Emitter Breakdown (Max)	80 V	30 V	80 V	-
Mounting Type	Surface Mount	Surface Mount	Surface Mount	-
Series	-	-	-	*
Frequency - Transition	100MHz	125MHz	100MHz	-
DC Current Gain (hFE) (Min) @ Ic, Vce	100 @ 100mA, 1V	10000 @ 100mA, 5V	100 @ 100mA, 1V	-
Base Product Number	MMBTA06	MMBTA13	-	MMBTA13
Current - Collector (Ic) (Max)	500 mA	1.2 A	500 mA	-
Operating Temperature	-55°C ~ 150°C (TJ)	-55°C ~ 150°C (TJ)	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Bulk	Cut Tape (CT)
Vce Saturation (Max) @ Ib, Ic	250mV @ 10mA, 100mA	1.5V @ 100µA, 100mA	250mV @ 10mA, 100mA	-
Current - Collector Cutoff (Max)	100nA	100nA (ICBO)	100nA	-
Power - Max	150 mW	350 mW	225 mW	-

### MMBTA06WT1G Datasheet PDF

Download MMBTA06WT1G pdf datasheets and onsemi documentation for MMBTA06WT1G - onsemi.

#### Datasheets

[MMBT/SMMBTA06W.pdf](#)

#### Environmental Information

[onsemi RoHS.pdf](#)

#### PCN Design/Specification



















[Copper Wire 19/May/2010.pdf](#)

#### PCN Assembly/Origin

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

### Customers Also Interested in

## Recommended Products

 <b>MMBTA13</b> onsemi TRANS NPN DARL 30V 1.2A SOT23-3	 <b>MMBTA06L-AE3-R</b> UTC	 <b>MMBTA06LT1</b> Infineon Technologies TRANS NPN 80V 0.5A SOT23-3	 <b>MMBTA13LT1</b> onsemi TRANS SS DARL NPN 30V SOT23	 <b>MMBTA06Q-7-F</b> Diodes Incorporated TRANS NPN 80V 0.5A SOT23-3	 <b>MMBTA13</b> Fairchild Semiconductor TRANS NPN DARL 30V 1.2A SOT23-3
 <b>MMBTA06-TP</b> Micro Commercial Co TRANS NPN 80V 0.5A SOT23	 <b>MMBTA06LT1</b> onsemi TRANS DRIVER SS NPN 80V SOT23	 <b>MMBTA13LT1G</b> onsemi TRANS NPN DARL 30V 0.3A SOT23-3	 <b>MMBTA13-7-F</b> Diodes Incorporated TRANS NPN DARL 30V 0.3A SOT23-3	 <b>MMBTA06LT3G</b> onsemi TRANS NPN 80V 0.5A SOT23-3	 <b>MMBTA14</b> Fairchild Semiconductor TRANS NPN DARL 30V 1.2A SOT23-3
 <b>MMBTA1015LT1G</b> CJ	 <b>MMBTA13 K2D</b> CJ	 <b>MMBTA13G</b> UTC	 <b>MMBTA06LT1G</b> onsemi TRANS NPN 80V 0.5A SOT23-3	 <b>MMBTA14</b> onsemi TRANS NPN DARL 30V 1.2A SOT23-3	 <b>MMBTA06-RTK/P</b>

## 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

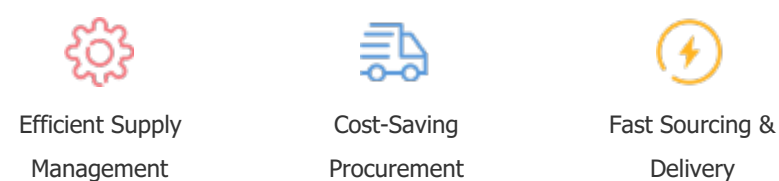
**Note:** The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

## Payment Support

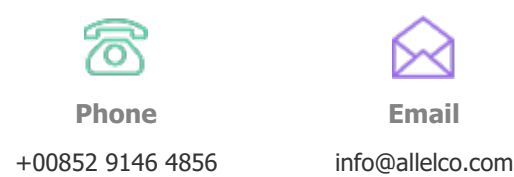
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



## Your Faithful Supply Chain Partner -



Contact us if you have any questions.



## Certifications & Memberships



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### Contact us

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