



Image may be representation.  
See specifications for product details.



## SPZTA42T1G

Manufacturer Part Number	<a href="#">SPZTA42T1G</a>
Manufacturer	<a href="#">onsemi</a>
Allelco Part Number	32D-SPZTA42T1G
ECAD Model	<a href="#">Request Free CAD Models</a>
Parts Description	TRANS NPN 300V 0.5A SOT223
Package	TO-261-4, TO-261AA
Data sheet	<a href="#">PZTA42T1G.pdf</a>
RoHs Status	<b>ROHS3 Compliant</b>

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SPZTA42T1G - onsemi.New Original in Stock. Download Linear Technology SPZTA42T1G datasheet/specifications on AllelcoElec.com.  
Request a quote for SPZTA42T1G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

SPZTA42T1G Tech Specifications  
SPZTA42T1G - 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	-
Vce Saturation (Max) @ Ib, Ic	500mV @ 2mA, 20mA	Mounting Type	Surface Mount
Transistor Type	NPN	Frequency - Transition	50MHz
Supplier Device Package	SOT-223 (TO-261)	DC Current Gain (hFE) (Min) @ Ic, Vce	40 @ 30mA, 10V
Series	-	Current - Collector Cutoff (Max)	100nA (ICBO)
Power - Max	1.5 W	Current - Collector (Ic) (Max)	500 mA
Package / Case	TO-261-4, TO-261AA	Base Product Number	SPZTA42

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi SPZTA42T1G

Product Attribute				
Part Number	SPZTA42T1G	<a href="#">2SA1416T-TD-E</a>	<a href="#">BD681STU</a>	<a href="#">BC857BW-7-F</a>
Manufacturer	onsemi	onsemi	onsemi	Diodes Incorporated
Transistor Type	NPN	PNP	NPN - Darlington	PNP
Operating Temperature	-	150°C (TJ)	150°C (TJ)	-65°C ~ 150°C (TJ)
Base Product Number	SPZTA42	2SA1416	BD681	BC857
Series	-	-	-	-
Current - Collector Cutoff (Max)	100nA (ICBO)	100nA (ICBO)	500µA	15nA (ICBO)
Package / Case	TO-261-4, TO-261AA	TO-243AA	TO-225AA, TO-126-3	SC-70, SOT-323
Mounting Type	Surface Mount	Surface Mount	Through Hole	Surface Mount
Voltage - Collector Emitter Breakdown (Max)	300 V	100 V	100 V	45 V
Power - Max	1.5 W	500 mW	40 W	200 mW
DC Current Gain (hFE) (Min) @ Ic, Vce	40 @ 30mA, 10V	100 @ 100mA, 5V	750 @ 1.5A, 3V	220 @ 2mA, 5V
Supplier Device Package	SOT-223 (TO-261)	PCP	TO-126-3	SOT-323
Frequency - Transition	50MHz	120MHz	-	200MHz
Current - Collector (Ic) (Max)	500 mA	1 A	4 A	100 mA
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Vce Saturation (Max) @ Ib, Ic	500mV @ 2mA, 20mA	400mV @ 40mA, 400mA	2.5V @ 30mA, 1.5A	650mV @ 5mA, 100mA

### SPZTA42T1G Datasheet PDF

Download SPZTA42T1G pdf datasheets and onsemi documentation for SPZTA42T1G - onsemi.

#### Datasheets

[PZTA42T1G.pdf](#)

#### Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

### Customers Also Interested in

#### Recommended Products



**2SA1416T-TD-E**  
onsemi  
TRANS PNP 100V 1A PCP



**BD681STU**  
onsemi  
TRANS NPN DARL 100V 4A TO126-3



**BC857BW-7-F**  
Diodes Incorporated  
TRANS PNP 45V 0.1A SOT323



**TIP29B**  
onsemi  
TRANS NPN 80V 1A TO220



**2N5074**  
Microchip Technology  
POWER BJT



**JAN2N3997**  
Microchip Technology  
TRANS NPN 80V 10A TO111



### 2SAR523EBTL

Rohm Semiconductor  
TRANS PNP 50V 0.1A EMT3F

### MMST4401-7

Diodes Incorporated  
TRANS NPN 40V 0.6A SOT323

### SPZT651T1G

onsemi  
TRANS NPN 60V 2A SOT223

### NSS30071MR6T1G

onsemi  
TRANS NPN 30V 0.7A SC74

### CPH6702-TL-E

onsemi  
BIP PNP+SBD 1.5A 15V

### MJE802

STMicroelectronics  
TRANS NPN DARL 80V 4A SOT32



### 2N5008

Microchip Technology  
POWER BJT

### JANS2N3500

Microchip Technology  
TRANS NPN 150V 0.3A TO39

### SPZT751T1G

onsemi  
TRANS PNP 60V 2A SOT223

### KSD1621TTF

Fairchild Semiconductor  
TRANS NPN 25V 2A SOT89-3

### SS8050DTA

onsemi  
TRANS NPN 25V 1.5A TO92-3

### 2SB1132T100R

Rohm Semiconductor  
TRANS PNP 32V 1A MPT3

## 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



View More



## Contact us

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