

Image may be representation.
See specifications for product details.

1SMB5942BT3G

Manufacturer Part Number	1SMB5942BT3G
Manufacturer	onsemi
Allelco Part Number	32D-1SMB5942BT3G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE ZENER 51V 3W SMB
Package	DO-214AA, SMB
Data sheet	SZ1SMB5915BT3G Datasheet.pdf
RoHs Status	ROHS3 Compliant

[Get a Quote](#)



1SMB5942BT3G - onsemi.New Original in Stock. Download Linear Technology 1SMB5942BT3G datasheet/specifications on AllelcoElec.com.
Request a quote for 1SMB5942BT3G, please send us email: info@allelco.com

Specifications

1SMB5942BT3G Tech Specifications

1SMB5942BT3G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package / Case	DO-214AA, SMB
Voltage - Zener (Nom) (Vz)	51 V	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	1.5 V @ 200 mA	Operating Temperature	-65°C ~ 150°C
Tolerance	±5%	Mounting Type	Surface Mount
Supplier Device Package	SMB	Impedance (Max) (Zzt)	70 Ohms
Series	-	Current - Reverse Leakage @ Vr	1 µA @ 38.8 V
Power - Max	3 W	Base Product Number	1SMB5942

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi 1SMB5942BT3G

Product Attribute				
Part Number	1SMB5942BT3G	1SMB5944BT3G	1SMB5941BT3G	1SMB5946BT3G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Series	-	-	-	-
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Current - Reverse Leakage @ Vr	1 µA @ 38.8 V	1 µA @ 47.1 V	1 µA @ 35.8 V	1 µA @ 56 V
Impedance (Max) (Zzt)	70 Ohms	100 Ohms	67 Ohms	140 Ohms
Voltage - Zener (Nom) (Vz)	51 V	62 V	47 V	75 V
Voltage - Forward (Vf) (Max) @ If	1.5 V @ 200 mA	1.5 V @ 200 mA	1.5 V @ 200 mA	1.5 V @ 200 mA
Base Product Number	1SMB5942	1SMB5944	1SMB5941	1SMB5946
Supplier Device Package	SMB	SMB	SMB	SMB
Power - Max	3 W	3 W	3 W	3 W
Operating Temperature	-65°C ~ 150°C	-65°C ~ 150°C	-65°C ~ 150°C	-65°C ~ 150°C
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Tolerance	±5%	±5%	±5%	±5%
Package / Case	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB

1SMB5942BT3G Datasheet PDF

Download 1SMB5942BT3G pdf datasheets and onsemi documentation for 1SMB5942BT3G - onsemi.

Datasheets

[SZ1SMB5915BT3G Datasheet.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

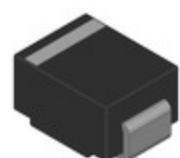
[onsemi RoHS.pdf](#)

PCN Assembly/Origin

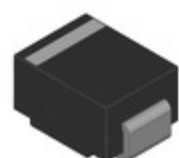
[Assembly/Test Site 24/Nov/2022.pdf](#)

Customers Also Interested in

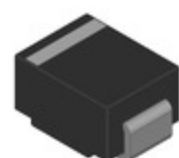
Recommended Products



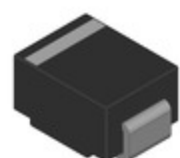
1SMB5944BT3G
onsemi
DIODE ZENER 62V 3W SMB



1SMB5941BT3G
onsemi
DIODE ZENER 47V 3W SMB



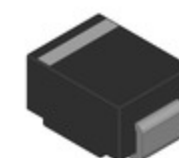
1SMB5946BT3G
onsemi
DIODE ZENER 75V 3W SMB



1SMB5942BT3
onsemi
DIODE ZENER 51V 3W SMB



1SMB5942B-13
Diodes Incorporated
DIODE ZENER 51V 3W SMB



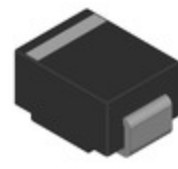
1SMB5939BT3G
onsemi
DIODE ZENER 39V 3W SMB



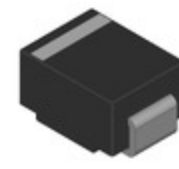
1SMB5945BT3G
onsemi
DIODE ZENER 68V 3W SMB



1SMB5946B-13
Diodes Incorporated
DIODE ZENER 75V 3W SMB



1SMB5947BT3G
onsemi
DIODE ZENER 82V 3W SMB



1SMB5939BT3
onsemi
DIODE ZENER 39V 3W SMB



1SMB5940B-13
Diodes Incorporated
DIODE ZENER 43V 3W SMB



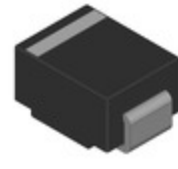
1SMB5947BT3
onsemi
DIODE ZENER 82V 3W SMB



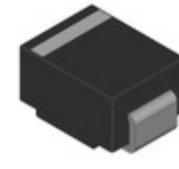
1SMB5948BT3
onsemi
DIODE ZENER 91V 3W SMB



1SMB5941B-13
Diodes Incorporated
DIODE ZENER 47V 3W SMB



1SMB5940BT3G
onsemi
DIODE ZENER 43V 3W SMB



1SMB5943BT3G
onsemi
DIODE ZENER 56V 3W SMB



1SMB5939_R1_00001
Panjit International Inc.
SURFACE MOUNT SILICON ZENER DIOD



1SMB5945BT3
onsemi
DIODE ZENER 68V 3W SMB

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](#)