

Image may be representation.  
See specifications for product details.



## MBRS120T3G

Manufacturer Part Number	<b>MBRS120T3G</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-MBRS120T3G
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE SCHOTTKY 20V 1A SMB
Package	DO-214AA, SMB
Data sheet	<b>MBRS120T3G, SBRS8120T3G.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

MBRS120T3G - onsemi.New Original in Stock. Download Linear Technology MBRS120T3G datasheet/specifications on AllelcoElec.com.  
Request a quote for MBRS120T3G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MBRS120T3G Tech Specifications  
MBRS120T3G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	600 mV @ 1 A	Operating Temperature - Junction	-65°C ~ 125°C
Voltage - DC Reverse (Vr) (Max)	20 V	Mounting Type	Surface Mount
Technology	Schottky	Current - Reverse Leakage @ Vr	1 mA @ 20 V
Supplier Device Package	SMB	Current - Average Rectified (Io)	1A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Capacitance @ Vr, F	-
Series	-	Base Product Number	MBRS120
Package / Case	DO-214AA, SMB		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MBRS120T3G

Product Attribute				
Part Number	MBRS120T3G	MBRS1100T3	MBRS130LT3G	MBRS130LT3
Manufacturer	onsemi	onsemi	onsemi	onsemi
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Capacitance @ Vr, F	-	-	-	-
Series	-	-	-	-
Package / Case	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB
Current - Average Rectified (Io)	1A	2A	2A	2A
Supplier Device Package	SMB	SMB	SMB	SMB
Base Product Number	MBRS120	MBRS1100	MBRS130	MBRS130
Operating Temperature - Junction	-65°C ~ 125°C	-	-65°C ~ 125°C	-
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Current - Reverse Leakage @ Vr	1 mA @ 20 V	500 µA @ 100 V	1 mA @ 30 V	1 mA @ 30 V
Voltage - DC Reverse (Vr) (Max)	20 V	100 V	30 V	30 V
Technology	Schottky	Schottky	Schottky	Schottky
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	600 mV @ 1 A	750 mV @ 1 A	445 mV @ 2 A	445 mV @ 2 A

### MBRS120T3G Datasheet PDF

Download MBRS120T3G pdf datasheets and onsemi documentation for MBRS120T3G - onsemi.

#### Datasheets

[MBRS120T3G, SBRS8120T3G.pdf](#)

#### Environmental Information

[onsemi RoHS.pdf](#)

#### PCN Design/Specification

[Mult Devices 12/Jun/2018.pdf](#)

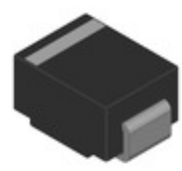
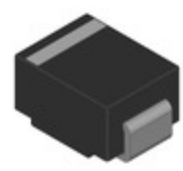
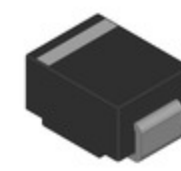
[Metal Chg/Die Shrink Upd 22/Sep/2016.pdf](#)

#### PCN Assembly/Origin

[Subcontractor Assembly Site 28/Jun/2021.pdf](#)

### Customers Also Interested in

#### Recommended Products

**MBRS1100T3**onsemi  
DIODE SCHOTTKY 100V 1A SMB**MBRS130LT3G**onsemi  
DIODE SCHOTTKY 30V 2A SMB**MBRS130LT3**onsemi  
DIODE SCHOTTKY 30V 1A SMB**MBRS1100TR**Vishay General Semiconductor -  
Diodes Division  
DIODE SCHOTTKY 100V 1A DO214AA**MBRS120T3**onsemi  
DIODE SCHOTTKY 20V 1A SMB**MBRS130LT3G 1BL3**

AMI Semiconductor/onsemi

**MBRS120LT1**

AMI Semiconductor/onsemi

**MBRS130LTR**Vishay General Semiconductor -  
Diodes Division  
DIODE SCHOTTKY 30V 1A DO214AA**MBRS1100-M3/5BT**

Electro-Films (EFI) / Vishay

**MBRS1100TRPBF**

Electro-Films (EFI) / Vishay

**MBRS130L**onsemi  
DIODE SCHOTTKY 30V 2A DO214AA**MBRS130**onsemi  
DIODE SCHOTTKY 30V 1A DO214AA

NO PICTURE

**MBRS130LT**

AMI Semiconductor/onsemi

**MBRS130**Fairchild Semiconductor  
DIODE SCHOTTKY 30V 1A SMB**MBRS120LT3G**

AMI Semiconductor/onsemi

**MBRS1100**

PLINGSEMIC

**MBRS130L**Fairchild Semiconductor  
DIODE SCHOTTKY 30V 2A SMB**MBRS1100T3G**onsemi  
DIODE SCHOTTKY 100V 1A 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  
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## Certifications & Memberships



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