

Image may be representation.  
See specifications for product details.



## MURS120T3

Manufacturer Part Number	<b>MURS120T3</b>
Manufacturer	<b>onsemi</b>
Allelco Part Number	32D-MURS120T3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE ULTRA FAST 1A 200V SMB
Package	DO-214AA, SMB
Data sheet	<b>MURS120T3G, SURS_NRVUS8120T3G Series.pdf</b>

**Get a Quote**

MURS120T3 - onsemi.New Original in Stock. Download Linear Technology MURS120T3 datasheet/specifications on AllelcoElec.com.  
Request a quote for MURS120T3, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

MURS120T3 Tech Specifications  
MURS120T3 - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package / Case	DO-214AA, SMB
Voltage - Forward (Vf) (Max) @ If	875 mV @ 1 A	Package	Tape & Reel (TR)
Voltage - DC Reverse (Vr) (Max)	200 V	Mounting Type	Surface Mount
Technology	Standard	Current - Reverse Leakage @ Vr	2 µA @ 200 V
Supplier Device Package	SMB	Current - Average Rectified (Io)	2A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Capacitance @ Vr, F	-
Series	-	Base Product Number	MURS12
Reverse Recovery Time (trr)	35 ns		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MURS120T3

Product Attribute				
Part Number	MURS120T3	MURS140	MURS120T3G	MURS140-E3/5BT
Manufacturer	onsemi	Good-Ark Semiconductor	onsemi	Vishay General Semiconductor - Diodes Division
Voltage - DC Reverse (Vr) (Max)	200 V	400 V	200 V	400 V
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Package / Case	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB	DO-214AA, SMB
Series	-	-	-	-
Technology	Standard	Standard	Standard	Standard
Voltage - Forward (Vf) (Max) @ If	875 mV @ 1 A	1.25 V @ 1 A	875 mV @ 1 A	1.25 V @ 1 A
Capacitance @ Vr, F	-	-	-	-
Reverse Recovery Time (trr)	35 ns	50 ns	35 ns	75 ns
Current - Reverse Leakage @ Vr	2 µA @ 200 V	5 µA @ 400 V	2 µA @ 200 V	5 µA @ 400 V
Current - Average Rectified (Io)	2A	2A	1A	2A
Base Product Number	MURS12	-	MURS120	MURS140
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Supplier Device Package	SMB	DO-214AA (SMB)	SMB	DO-214AA (SMB)

### MURS120T3 Datasheet PDF

Download MURS120T3 pdf datasheets and onsemi documentation for MURS120T3 - onsemi.

#### Datasheets

[MURS120T3G, SURS\\_NRVUS8120T3G Series.pdf](#)

#### Environmental Information

[onsemi REACH.pdf](#)

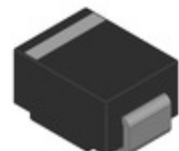
[onsemi RoHS.pdf](#)

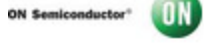




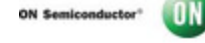






#### PCN Obsolescence/ EOL

[DK OBS NOTICE.pdf](#)

### Customers Also Interested in

#### Recommended Products



<b>MURS140</b> Good-Ark Semiconductor RECTIFIER, ULTRA-FAST/HIGH EFFIC	<b>MURS120T3G</b> onsemi DIODE GEN PURP 200V 1A SMB	<b>MURS120T3GS</b> AMI Semiconductor/onsemi	<b>MURS140-E3/5BT</b> Vishay General Semiconductor - Diodes Division DIODE GEN PURP 400V 2A DO214AA	<b>MURS120-E3/52</b> Electro-Films (EFI) / Vishay	<b>MURS140-13-F</b> Diodes Incorporated DIODE GEN PURP 400V 1A SMB
					
<b>MURS130T3G</b> AMI Semiconductor/onsemi	<b>MURS120-E3</b> Electro-Films (EFI) / Vishay	<b>MURS120HE3_A/H</b> Vishay General Semiconductor - Diodes Division DIODE GEN PURP 200V 2A DO214AA	<b>MURS120TR</b> Sensitron Semiconductor / SMC Diode Solutions DIODE GEN PURP 200V 1A SMB	<b>MURS120-E3H/I</b> Electro-Films (EFI) / Vishay	<b>MURS120T</b> AMI Semiconductor/onsemi
					
<b>MURS120-E3/5BT</b> Vishay General Semiconductor - Diodes Division DIODE GEN PURP 200V 2A DO214AA	<b>MURS140-E3/52T</b> Vishay General Semiconductor - Diodes Division DIODE GEN PURP 400V 2A DO214AA	<b>MURS140-13</b> Diodes Incorporated DIODE GEN PURP 400V 1A SMB	<b>MURS120-E3/52T</b> Vishay General Semiconductor - Diodes Division DIODE GEN PURP 200V 1A DO214AA	<b>MURS120-13-F</b> Diodes Incorporated DIODE GEN PURP 200V 1A SMB	<b>MURS120/2</b> Vishay General Semiconductor - Diodes Division DIODE GEN PURP 200V 2A DO214AA

## 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



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