

Image may be representation.
See specifications for product details.



MBRD640CTG

Manufacturer Part Number	MBRD640CTG
Manufacturer	onsemi
Allelco Part Number	32D-MBRD640CTG
ECAD Model	Request Free CAD Models
Parts Description	DIODE ARRAY SCHOTTKY 40V 3A DPAK
Package	TO-252-3, DPak (2 Leads + Tab), SC-63
Data sheet	MBRD620CTG, NRVBD640CTG Series.pdf
RoHs Status	ROHS3 Compliant

Get a Quote

MBRD640CTG - onsemi.New Original in Stock. Download Linear Technology MBRD640CTG datasheet/specifications on AllelcoElec.com.
Request a quote for MBRD640CTG, please send us email: info@allelco.com

Specifications

MBRD640CTG Tech Specifications
MBRD640CTG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tube
Voltage - Forward (Vf) (Max) @ If	700 mV @ 3 A	Operating Temperature - Junction	-65°C ~ 175°C
Voltage - DC Reverse (Vr) (Max)	40 V	Mounting Type	Surface Mount
Technology	Schottky	Diode Configuration	1 Pair Common Cathode
Supplier Device Package	DPAK	Current - Reverse Leakage @ Vr	100 µA @ 40 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	3A
Series	SWITCHMODE™	Base Product Number	MBRD640
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63		

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MBRD640CTG

Product Attribute				
Part Number	MBRD640CTG	MBRD650CTG	MBRD640CT	MBRD620CTT4G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Technology	Schottky	Schottky	Schottky	Schottky
Voltage - DC Reverse (Vr) (Max)	40 V	50 V	40 V	20 V
Operating Temperature - Junction	-65°C ~ 175°C	-65°C ~ 175°C	-65°C ~ 175°C	-65°C ~ 175°C
Voltage - Forward (Vf) (Max) @ If	700 mV @ 3 A	700 mV @ 3 A	700 mV @ 3 A	700 mV @ 3 A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Base Product Number	MBRD640	MBRD650	MBRD640	MBRD620
Package / Case	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63	TO-252-3, DPak (2 Leads + Tab), SC-63
Package	Tube	Tube	Tube	Tape & Reel (TR)
Current - Reverse Leakage @ Vr	100 µA @ 40 V	100 µA @ 50 V	100 µA @ 40 V	100 µA @ 20 V
Supplier Device Package	DPAK	DPAK	DPAK	DPAK
Current - Average Rectified (Io) (per Diode)	3A	3A	3A	3A
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Series	SWITCHMODE™	SWITCHMODE™	SWITCHMODE™	SWITCHMODE™

MBRD640CTG Datasheet PDF

Download MBRD640CTG pdf datasheets and onsemi documentation for MBRD640CTG - onsemi.

Datasheets

[MBRD620CTG, NRVBD640CTG Series.pdf](#)

Environmental Information

[onsemi RoHS.pdf](#)

PCN Obsolescence/ EOL

[Mult Dev EOL 08/Jul/2021.pdf](#)

PCN Design/Specification








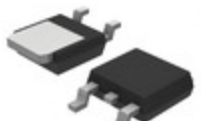
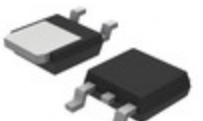

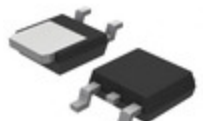


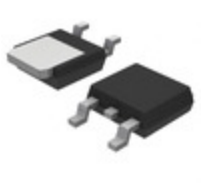



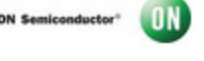
[Mult Dev Material/Wafer Chg 7/Mar/2018.pdf](#)

PCN Assembly/Origin

[Mult Dev Wafer Fab/Material Chg 3/May/2018.pdf](#)

Customers Also Interested in

Recommended Products

					
MBRD650CTG onsemi DIODE ARRAY SCHOTTKY 50V 3A DPAK	MBRD640CTT4 AMI Semiconductor/onsemi	MBRD640CT onsemi DIODE ARRAY SCHOTTKY 40V 3A DPAK	MBRD630LT4G AMI Semiconductor/onsemi	MBRD640 AMI Semiconductor/onsemi	MBRD620CTT4G onsemi DIODE ARRAY SCHOTTKY 20V 3A DPAK
					
MBRD650CT MOS SMC	MBRD640CTT4G onsemi DIODE ARRAY SCHOTTKY 40V 3A DPAK	MBRD620CTT4 onsemi DIODE ARRAY SCHOTTKY 20V 3A DPAK	MBRD630CT SMC Diode Solutions DIODE ARRAY SCHOTTKY 30V DPAK	MBRD650CT onsemi DIODE ARRAY SCHOTTKY 50V 3A DPAK	MBRD640CTT4 MOS AMI Semiconductor/onsemi
					
MBRD650CT SMC Diode Solutions DIODE SCHOTTKY 50V DPAK	MBRD630CTT4G onsemi DIODE ARRAY SCHOTTKY 30V 3A DPAK	MBRD650CT Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 50V 3A DPAK	MBRD640LT4G AMI Semiconductor/onsemi	MBRD620CT AMI Semiconductor/onsemi	MBRD620LT4G AMI Semiconductor/onsemi

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

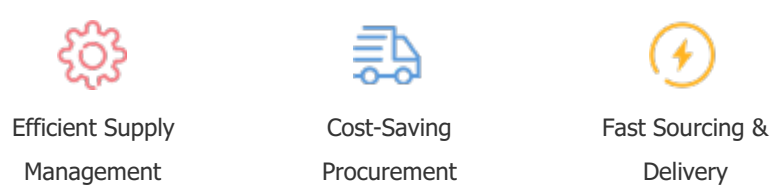
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

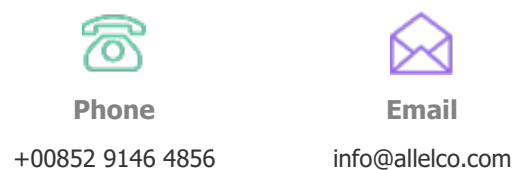
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,
PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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