

Image may be representation.
See specifications for product details.



MBRD640CT

Manufacturer Part Number	MBRD640CT
Manufacturer	onsemi
Allelco Part Number	32D-MBRD640CT
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	MBRD6x0CT.pdf

Get a Quote

MBRD640CT - onsemi.New Original in Stock. Download Linear Technology MBRD640CT datasheet/specifications on AllelcoElec.com.
Request a quote for MBRD640CT, please send us email: info@allelco.com

Specifications

MBRD640CT Tech Specifications
MBRD640CT - 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 MBRD640CT

Product Attribute				
Part Number	MBRD640CT	MBRD650CT	MBRD650CT	MBRD620CTT4
Manufacturer	onsemi	SMC Diode Solutions	onsemi	onsemi
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
Technology	Schottky	Schottky	Schottky	Schottky
Package	Tube	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - DC Reverse (Vr) (Max)	40 V	50 V	50 V	20 V
Current - Reverse Leakage @ Vr	100 µA @ 40 V	100 µA @ 50 V	100 µA @ 50 V	100 µA @ 20 V
Voltage - Forward (Vf) (Max) @ If	700 mV @ 3 A	700 mV @ 3 A	700 mV @ 3 A	700 mV @ 3 A
Current - Average Rectified (Io) (per Diode)	3A	-	3A	3A
Base Product Number	MBRD640	MBRD650	MBRD650	MBRD620
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Series	SWITCHMODE™	-	SWITCHMODE™	SWITCHMODE™
Supplier Device Package	DPAK	DPAK	DPAK	DPAK
Operating Temperature - Junction	-65°C ~ 175°C	-65°C ~ 150°C	-65°C ~ 175°C	-65°C ~ 175°C

MBRD640CT Datasheet PDF

Download MBRD640CT pdf datasheets and onsemi documentation for MBRD640CT - onsemi.

Datasheets

[MBRD6x0CT.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

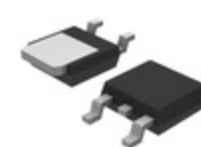
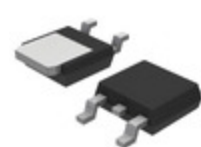
[onsemi RoHS.pdf](#)

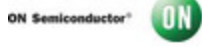

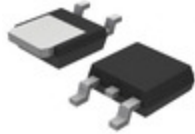

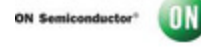


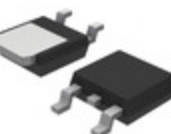




PCN Obsolescence/ EOL

[Multiple Devices 14/Apr/2010.pdf](#)

Customers Also Interested in

Recommended Products



MBRD640LT4G AMI Semiconductor/onsemi	MBRD6100CT-TP-HF Micro Commercial Components (MCC)	MBRD650CT SMC Diode Solutions DIODE SCHOTTKY 50V DPAK	MBRD650CT onsemi DIODE ARRAY SCHOTTKY 50V 3A DPAK	MBRD620CTT4 onsemi DIODE ARRAY SCHOTTKY 20V 3A DPAK	MBRD620CTT4G onsemi DIODE ARRAY SCHOTTKY 20V 3A DPAK
					
MBRD630LT4G AMI Semiconductor/onsemi	MBRD630CT SMC Diode Solutions DIODE ARRAY SCHOTTKY 30V DPAK	MBRD650CTG onsemi DIODE ARRAY SCHOTTKY 50V 3A DPAK	MBRD640CTT4G onsemi DIODE ARRAY SCHOTTKY 40V 3A DPAK	MBRD640CTT4 AMI Semiconductor/onsemi	MBRD630CTT4G onsemi DIODE ARRAY SCHOTTKY 30V 3A DPAK
					
MBRD650CT Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 50V 3A DPAK	MBRD640CTG onsemi DIODE ARRAY SCHOTTKY 40V 3A DPAK	MBRD640CTT4 MOS AMI Semiconductor/onsemi	MBRD640 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 -

-  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

Address: Flat/Rm C 13/F Harvard Commercial Building 105-111 Thomson Road, Wan Chai, Hong Kong
Phone: +00852 9146 4856
Fax: +00852 3010 8510
Email: info@Allelco.com