

Image may be representation.
See specifications for product details.

MBR40250TG

Manufacturer Part Number	MBR40250TG
Manufacturer	onsemi
Allelco Part Number	32D-MBR40250TG
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	DIODE SCHOTTKY 250V 40A TO220
Package	TO-220-3
Data sheet	MBR(F)40250(T).pdf
RoHs Status	ROHS3 Compliant

Get a Quote



MBR40250TG - onsemi.New Original in Stock. Download Linear Technology MBR40250TG datasheet/specifications on AllelcoElec.com.
Request a quote for MBR40250TG, please send us email: info@allelco.com

Specifications

MBR40250TG Tech Specifications

MBR40250TG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package / Case	TO-220-3
Voltage - Forward (Vf) (Max) @ If	970 mV @ 40 A	Package	Tube
Voltage - DC Reverse (Vr) (Max)	250 V	Operating Temperature - Junction	-65°C ~ 150°C
Technology	Schottky	Mounting Type	Through Hole
Supplier Device Package	TO-220	Current - Reverse Leakage @ Vr	30 µA @ 250 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io)	40A
Series	SWITCHMODE™	Capacitance @ Vr, F	500pF @ 5V, 1MHz
Reverse Recovery Time (trr)	35 ns	Base Product Number	MBR40250

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi MBR40250TG

Product Attribute				
Part Number	MBR40250TG	MBR40250G	MBR40250	MBR4045CT-E3/45
Manufacturer	onsemi	onsemi	onsemi	Electro-Films (EFI) / Vishay
Capacitance @ Vr, F	500pF @ 5V, 1MHz	500pF @ 5V, 1MHz	500pF @ 5V, 1MHz	-
Mounting Type	Through Hole	Through Hole	Through Hole	-
Voltage - DC Reverse (Vr) (Max)	250 V	250 V	250 V	-
Base Product Number	MBR40250	MBR40250	MBR40250	-
Supplier Device Package	TO-220	TO-220-2	TO-220-2	-
Package / Case	TO-220-3	TO-220-2	TO-220-2	-
Package	Tube	Tube	Tube	-
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	-
Current - Average Rectified (Io)	40A	40A	40A	-
Technology	Schottky	Schottky	Schottky	-
Current - Reverse Leakage @ Vr	30 µA @ 250 V	30 µA @ 250 V	30 µA @ 250 V	-
Series	SWITCHMODE™	SWITCHMODE™	SWITCHMODE™	-
Operating Temperature - Junction	-65°C ~ 150°C	-65°C ~ 150°C	-65°C ~ 150°C	-
Voltage - Forward (Vf) (Max) @ If	970 mV @ 40 A	970 mV @ 40 A	970 mV @ 40 A	-
Reverse Recovery Time (trr)	35 ns	35 ns	35 ns	-

MBR40250TG Datasheet PDF

Download MBR40250TG pdf datasheets and onsemi documentation for MBR40250TG - onsemi.

Datasheets

[MBR\(F\)40250\(T\).pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Design/Specification



















[TO-220 Case Outline Update 18/Sep/2014.pdf](#)

PCN Assembly/Origin

[Mult Dev 14/May/2020.pdf](#)

Customers Also Interested in

Recommended Products

 MBR4045CT-E3/45 Electro-Films (EFI) / Vishay	 MBR4015LWT onsemi DIODE ARRAY SCHOTTKY 15V TO247	 MBR4035PT Diodes Incorporated DIODE ARRAY SCHOTTKY 35V TO3P	 MBR4045CL UTC	 MBR4015CTL onsemi DIODE ARRAY SCHOTTKY 15V TO220AB	 MBR40200CT SMC Diode Solutions DIODE ARRAY SCHOTTKY 200V TO220
 MBR4015CTLG onsemi DIODE ARRAY SCHOTTKY 15V TO220AB	 MBR4045CT SMC Diode Solutions DIODE ARRAY SCHOTTKY 45V TO220AB	 MBR40150PT Taiwan Semiconductor Corporation DIODE ARRAY SCHOTTKY 150V TO247	 MBR4035PT Fairchild Semiconductor RECTIFIER DIODE, SCHOTTKY, 1 PHA	 MBR40200PT Taiwan Semiconductor Corporation DIODE ARRAY SCHOTTKY 200V TO247	 MBR40250CT AMI Semiconductor/onsemi
 MBR4030PT Diodes Incorporated DIODE ARRAY SCHOTTKY 30V TO3P	 MBR40250G onsemi DIODE SCHOTTKY 250V 40A TO220-2	 MBR4045CT Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 45V TO220AB	 MBR4035PT onsemi DIODE ARRAY SCHOTTKY 35V TO247AD	 MBR40250 onsemi DIODE SCHOTTKY 250V 40A TO220-2	 MBR40200PT Yangjie Technology Diodes - Rectifiers - Single TO-

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.

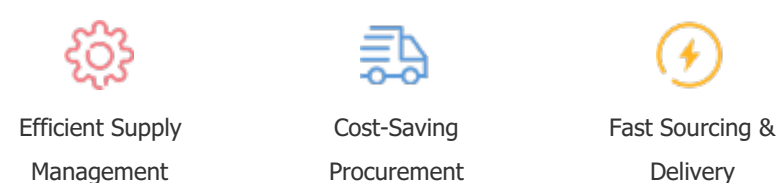
Contact us if you have any questions.

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



View More