

Image may be representation.
See specifications for product details.



VS-MBR6045WT-N3

Manufacturer Part Number	VS-MBR6045WT-N3
Manufacturer	Vishay General Semiconductor – Diodes Division
Allelco Part Number	32D-VS-MBR6045WT-N3
ECAD Model	Request Free CAD Models
Parts Description	DIODE ARRAY SCHOTTKY 45V TO247AC
Package	TO-247-3
Data sheet	VS-MBR6045WT(PBF,-N3).pdf
RoHs Status	ROHS3 Compliant

Get a Quote

VS-MBR6045WT-N3 - Vishay General Semiconductor - Diodes Division. New Original in Stock. Download Linear Technology VS-MBR6045WT-N3 datasheet/specifications on AllelcoElec.com.
Request a quote for VS-MBR6045WT-N3, please send us email: info@allelco.com

Specifications

VS-MBR6045WT-N3 Tech Specifications
VS-MBR6045WT-N3 - Vishay General Semiconductor - Diodes Division technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay General Semiconductor – Diodes Division	Package	Tube
Voltage - Forward (Vf) (Max) @ If	620 mV @ 30 A	Operating Temperature - Junction	-55°C ~ 150°C
Voltage - DC Reverse (Vr) (Max)	45 V	Mounting Type	Through Hole
Technology	Schottky	Diode Configuration	1 Pair Common Cathode
Supplier Device Package	TO-247AC	Current - Reverse Leakage @ Vr	1 mA @ 45 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	30A
Series	-	Base Product Number	MBR6045
Package / Case	TO-247-3		

Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay General Semiconductor - Diodes Division VS-MBR6045WT-N3

Product Attribute				
Part Number	VS-MBR6045WT-N3	VS-MBRB4045CTHM3	VS-MBR6045WTPBF	VS-MBR2045CT-N3
Manufacturer	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division
Current - Reverse Leakage @ Vr	1 mA @ 45 V	1 mA @ 45 V	1 mA @ 45 V	100 µA @ 45 V
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Base Product Number	MBR6045	MBRB4045	MBR60	MBR20
Package / Case	TO-247-3	TO-263-3, D ² Pak (2 Leads + Tab), TO-263AB	TO-247-3	TO-220-3
Supplier Device Package	TO-247AC	TO-263AB (D ² PAK)	TO-247AC	TO-220-3
Series	-	Automotive, AEC-Q101	-	-
Voltage - Forward (Vf) (Max) @ If	620 mV @ 30 A	600 mV @ 20 A	620 mV @ 30 A	840 mV @ 20 A
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Technology	Schottky	Schottky	Schottky	Schottky
Operating Temperature - Junction	-55°C ~ 150°C	-65°C ~ 150°C	-55°C ~ 150°C	-65°C ~ 150°C
Package	Tube	Tube	Tube	Tube
Voltage - DC Reverse (Vr) (Max)	45 V	45 V	45 V	45 V
Current - Average Rectified (Io) (per Diode)	30A	20A	30A	10A
Mounting Type	Through Hole	Surface Mount	Through Hole	Through Hole

VS-MBR6045WT-N3 Datasheet PDF

Download VS-MBR6045WT-N3 pdf datasheets and Vishay General Semiconductor - Diodes Division documentation for VS-MBR6045WT-N3 - Vishay General Semiconductor - Diodes Division.

Datasheets

VS-MBR6045WT(PBF,-N3).pdf

PCN Assembly/Origin

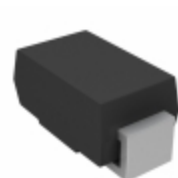
DD-007-2014 Rev.0 14/Apr/2014.pdf

PCN Design/Specification

Mult Dev Mold Chg 13/Sep/2019.pdf

Customers Also Interested in

Recommended Products



VS-MBRD330-M3 Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 30V 3A TO252	VS-KBPC602PBF Vishay General Semiconductor - Diodes Division BRIDGE RECT 1PHASE 200V 6A D-72	VS-MBRA140TRPBF Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 40V 1A DO214AC	VS-MBRB4045CTHM3 Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 45V 20A D2PAK	VS-MBRD320-M3 Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 20V 3A TO252	VS-MBR6045WTPBF Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 45V TO247AC
					
VS-MBRA120TRPBF Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 20V 1A DO214AC	VS-MBRD340-M3 Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 40V 3A TO252	VS-MBR2045CT-N3 Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 45V TO220AB	VS-HFA70EA120 Vishay General Semiconductor - Diodes Division DIODE MODULE 1.2KV 35A SOT227	VS-HFA90FA120 Vishay General Semiconductor - Diodes Division DIODE HEXFRED 45A 1200V SOT-227	VS-MBR2045CTPBF Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 45V TO220AB
					
VS-MBRB1045PBF Vishay General Semiconductor - Diodes Division DIODE SCHOTTKY 45V 10A TO263AB	VS-HFA320NJ40CPBF Vishay General Semiconductor - Diodes Division DIODE MODULE 400V 320A TO244	VS-HFA50PA60C-N3 Vishay General Semiconductor - Diodes Division DIODE STANDARD 600V 25A TO247AC	VS-MBRB20100CTTRLP Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 100V D2PAK	VS-HFA70FA120 Vishay General Semiconductor - Diodes Division DIODE HEXFRED 70A 1200V SOT-227	VS-MBR3045WTPBF Vishay General Semiconductor - Diodes Division DIODE ARRAY SCHOTTKY 45V TO247AC

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

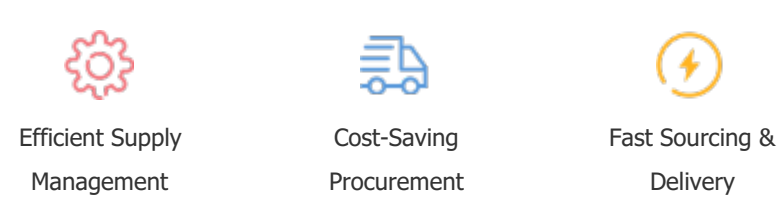
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.
Contact us if you have any questions.

Payment Support

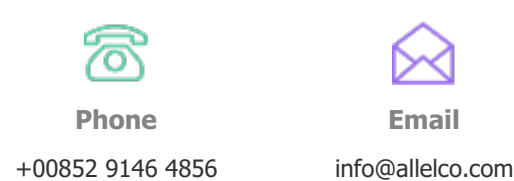
The payment method can be chosen from the methods shown below:
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card, PayPal.



Your Faithful Supply Chain Partner -



Contact us if you have any questions.



Certifications & Memberships



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