



# 301CNQ040

Manufacturer Part Number	<b>301CNQ040</b>
Manufacturer	<b>Vishay General Semiconductor – Diodes Division</b>
Allelco Part Number	32D-301CNQ040
ECAD Model	Request Free CAD Models
Parts Description	DIODE MODULE 40V 300A TO244AB
Package	TO-244AB
Data sheet	<b>301CNQ SERIES.pdf</b>
RoHs Status	ROHS3 Compliant



**Get a Quote**

301CNQ040 - Vishay General Semiconductor - Diodes Division. New Original in Stock. Download Linear Technology 301CNQ040 datasheet/specifications on AllelcoElec.com.  
Request a quote for 301CNQ040, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

301CNQ040 Tech Specifications  
301CNQ040 - Vishay General Semiconductor - Diodes Division technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay General Semiconductor – Diodes Division	Package	Bulk
Voltage - Forward (Vf) (Max) @ If	900 mV @ 300 A	Operating Temperature - Junction	-55°C ~ 175°C
Voltage - DC Reverse (Vr) (Max)	40 V	Mounting Type	Chassis Mount
Technology	Schottky	Diode Configuration	1 Pair Common Cathode
Supplier Device Package	TO-244AB	Current - Reverse Leakage @ Vr	10 mA @ 40 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Current - Average Rectified (Io) (per Diode)	300A
Series	-	Base Product Number	301CNQ
Package / Case	TO-244AB		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay General Semiconductor - Diodes Division 301CNQ040

Product Attribute				
Part Number	301CNQ040	301CNQ035	301CMQ040	301CNQ050
Manufacturer	Vishay General Semiconductor - Diodes Division	Vishay General Semiconductor - Diodes Division	SMC Diode Solutions	SMC Diode Solutions
Supplier Device Package	TO-244AB	TO-244AB	PRM4 (Isolated)	PRM4 (Non-Isolated)
Base Product Number	301CNQ	301CNQ	301CMQ	301CNQ
Mounting Type	Chassis Mount	Chassis Mount	Chassis Mount	Chassis Mount
Current - Reverse Leakage @ Vr	10 mA @ 40 V	10 mA @ 35 V	10 mA @ 40 V	10 mA @ 50 V
Package	Bulk	Bulk	Bulk	Bulk
Voltage - DC Reverse (Vr) (Max)	40 V	35 V	40 V	50 V
Operating Temperature - Junction	-55°C ~ 175°C	-55°C ~ 175°C	-55°C ~ 175°C	-55°C ~ 175°C
Series	-	-	-	-
Package / Case	TO-244AB	TO-244AB	PRM4	PRM4
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Current - Average Rectified (Io) (per Diode)	300A	300A	150A	150A
Voltage - Forward (Vf) (Max) @ If	900 mV @ 300 A	900 mV @ 300 A	690 mV @ 150 A	690 mV @ 150 A
Diode Configuration	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode	1 Pair Common Cathode
Technology	Schottky	Schottky	Schottky	Schottky

## 301CNQ040 Datasheet PDF

Download 301CNQ040 pdf datasheets and Vishay General Semiconductor - Diodes Division documentation for 301CNQ040 - Vishay General Semiconductor - Diodes Division.

### Datasheets

301CNQ SERIES.pdf

## Customers Also Interested in

### Recommended Products

<b>301CNQ045PBF</b>	<b>301CNQ035</b>	<b>301CMQ040</b>	<b>301CHB471JCLEROHS</b>	<b>301CNQ040PBF</b>	<b>301A10059X</b>
IR IGBT Module	Vishay General Semiconductor - Diodes Division DIODE MODULE 35V 300A TO244AB	SMC Diode Solutions DIODE SCHOTTKY 40V 150A PRM4	Temex	IR IGBT Module	Conec CONN D-SUB PLUG 25POS SLDR CUP

**301CMQ080**

IR  
IGBT Module

**301CNQ050**

SMC Diode Solutions  
DIODE SCHOTTKY 50V 150A PRM4

**301CNQ045**

Vishay General Semiconductor -  
Diodes Division  
DIODE MODULE 45V 300A TO244AB

**301CMQ035**

SMC Diode Solutions  
DIODE SCHOTTKY 35V 150A PRM4

**301CNQ080**

IR  
IGBT Module

**301R100**

CEHCO  
IGBT Module



**301CNQ045**

SMC Diode Solutions  
DIODE SCHOTTKY 45V 150A PRM4

**301CNQ040**

SMC Diode Solutions  
DIODE SCHOTTKY 40V 150A PRM4

**301CNQ050**

Vishay General Semiconductor -  
Diodes Division  
DIODE MODULE 50V 300A TO244AB

**301927650E**

Everlight Electronics

**301CNQ035**

SMC Diode Solutions  
DIODE SCHOTTKY 35V 150A PRM4

**301CMQ045**

SMC Diode Solutions  
DIODE SCHOTTKY 45V 150A PRM4

## 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.



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## Certifications & Memberships



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