



NSR05F40NXT5G

Manufacturer Part Number	NSR05F40NXT5G
Manufacturer	onsemi
Allelco Part Number	32D-NSR05F40NXT5G
ECAD Model	PCB Symbol, Footprint & 3D Mode
Parts Description	DIODE SCHOTTKY 40V 500MA 2DSN
Package	0402 (1006 Metric)
Data sheet	NSR05F40NXT5G.pdf
RoHs Status	ROHS3 Compliant



Get a Quote

NSR05F40NXT5G - onsemi.New Original in Stock. Download Linear Technology NSR05F40NXT5G datasheet/specifications on AllelcoElec.com.

Request a quote for NSR05F40NXT5G, please send us email: info@allelco.com

Specifications

NSR05F40NXT5G Tech Specifications

NSR05F40NXT5G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Package	Tape & Reel (TR)
Voltage - Forward (Vf) (Max) @ If	460 mV @ 500 mA	Operating Temperature - Junction	150°C (Max)
Voltage - DC Reverse (Vr) (Max)	40 V	Mounting Type	Surface Mount
Technology	Schottky	Current - Reverse Leakage @ Vr	75 µA @ 40 V
Supplier Device Package	2-DSN (1x0.6), (0402)	Current - Average Rectified (Io)	500mA
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Capacitance @ Vr, F	-
Series	-	Base Product Number	NSR05
Package / Case	0402 (1006 Metric)		

Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NSR05F40NXT5G

Product Attribute	NO PICTURE			
Part Number	NSR05F40NXT5G	NSR05F30NXT5G	NSR07540SLT1G	NSR0530HT1G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Technology	Schottky	Schottky	Schottky	Schottky
Operating Temperature - Junction	150°C (Max)	150°C (Max)	-55°C ~ 125°C	-55°C ~ 150°C
Current - Average Rectified (Io)	500mA	500mA	1.5A	500mA
Voltage - Forward (Vf) (Max) @ If	460 mV @ 500 mA	430 mV @ 500 mA	535 mV @ 1.5 A	620 mV @ 500 mA
Voltage - DC Reverse (Vr) (Max)	40 V	30 V	40 V	30 V
Speed	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)	Fast Recovery =< 500ns, > 200mA (Io)
Package / Case	0402 (1006 Metric)	0402 (1006 Metric)	TO-236-3, SC-59, SOT-23-3	SC-76, SOD-323
Current - Reverse Leakage @ Vr	75 µA @ 40 V	75 µA @ 30 V	100 µA @ 40 V	200 µA @ 30 V
Base Product Number	NSR05	NSR05	NSR07540	NSR0530
Supplier Device Package	2-DSN (1x0.6), (0402)	2-DSN (1x0.6), (0402)	SOT-23-3 (TO-236)	SOD-323
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Series	-	-	-	-
Capacitance @ Vr, F	-	-	170pF @ 0V, 1MHz	10pF @ 1V, 1MHz
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount

NSR05F40NXT5G Datasheet PDF

Download NSR05F40NXT5G pdf datasheets and onsemi documentation for NSR05F40NXT5G - onsemi.

Datasheets

[NSR05F40NXT5G.pdf](#)

Environmental Information

[onsemi REACH.pdf](#)

[onsemi RoHS.pdf](#)

PCN Assembly/Origin

[Mult Dev 11/Apr/2023.pdf](#)

PCN Design/Specification



















[FPCN21451X – Correction 02/Nov/2016.pdf](#)

PCN Packaging

[Carrier Tape Update 05/Mar/2015.pdf](#)

Customers Also Interested in

Recommended Products

 NSR040A0X43Z ABB Power Electronics Inc. DC DC CONVERTER 0.6-5V 200W	 NSR05F30NXT5G onsemi DIODE SCHOTTKY 30V 500MA 2DSN	 NSR07540SLT1G onsemi DIODE SCHOTTKY 40V 1.5A SOT23-3	 NSR0530HT1G onsemi DIODE SCHOTTKY 30V 500MA SOD323	 NSR05T30P2T5G onsemi DIODE SCHOTTKY 30V 500MA SOD923	 NSR05T40P2T5G onsemi DIODE SCHOTTKY 40V 500MA SOD923
 NSR1020MW2T3G onsemi DIODE SCHOTTKY 20V 1A SOD323	 NSR05F20NXT5G onsemi DIODE SCHOTTKY 20V 500MA 2DSN	 NSR05F40NXT5 AMI Semiconductor/onsemi	 NSR05T40XV2T5G onsemi DIODE SCHOTTKY 40V 500MA SOD523	 NSR0530PZT5G AMI Semiconductor/onsemi	 NSR0520V2T1G onsemi DIODE SCHOTTKY 20V 500MA SOD523
 NSR0620SP2T5G onsemi DIODE SCHOTTKY 20V 500MA SOD923	 NSR0530P2T5G onsemi DIODE SCHOTTKY 30V 500MA SOD923	 NSR05F30NRT5G Sanyo DIODE SCHOTTKY 30V 500MA 2DSN	 NSR1020MW2T1G onsemi DIODE SCHOTTKY 20V 1A SOD323	 NSR05T30XV2T5G onsemi DIODE SCHOTTKY 30V 500MA SOD523	 NSR0620P2T5G onsemi DIODE SCHOTTKY 20V 500MA SOD923

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