



Image may be representation.  
See specifications for product details.



## NLAS3158MNR2G

Manufacturer Part Number **NLAS3158MNR2G**

Manufacturer **onsemi**

Allelco Part Number **32D-NLAS3158MNR2G**

ECAD Model PCB Symbol, Footprint & 3D Mode

Parts Description **IC SWITCH SPDT X 2 13OHM 12DFN**

Package **12-WFDFN Exposed Pad**

Data sheet **NLAS3158.pdf**

**NLAS3158.pdf**

RoHs Status **ROHS3 Compliant**

**Get a Quote**

NLAS3158MNR2G - onsemi.New Original in Stock. Download Linear Technology NLAS3158MNR2G datasheet/specifications on AllelcoElec.com.  
Request a quote for NLAS3158MNR2G, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

NLAS3158MNR2G Tech Specifications

NLAS3158MNR2G - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Number of Circuits	2
Voltage - Supply, Single (V+)	1.65V ~ 5.5V	Multiplexer/Demultiplexer Circuit	2:1
Voltage - Supply, Dual (V±)	-	Mounting Type	Surface Mount
Switch Time (Ton, Toff) (Max)	5.2ns, 3.5ns	Current - Leakage (IS(off)) (Max)	100nA
Switch Circuit	SPDT	Crosstalk	-54dB @ 10MHz
Supplier Device Package	12-DFN (3x1)	Charge Injection	7pC
Series	-	Channel-to-Channel Matching (ΔRon)	150mOhm
Package / Case	12-WFDFN Exposed Pad	Channel Capacitance (CS(off), CD(off))	2.3pF
Package	Tape & Reel (TR)	Base Product Number	NLAS3158
Operating Temperature	-55°C ~ 125°C (TA)	-3db Bandwidth	250MHz
On-State Resistance (Max)	130hm		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NLAS3158MNR2G

Product Attribute				
Part Number	NLAS3158MNR2G	NLAS3157MX3TCG	NLAS2750MUTAG	NLAS323US
Manufacturer	onsemi	onsemi	onsemi	onsemi
Current - Leakage (IS(off)) (Max)	100nA	100nA	250nA	1nA
On-State Resistance (Max)	130hm	9.90hm	1.30hm	250hm
Operating Temperature	-55°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-55°C ~ 125°C (TA)
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Switch Circuit	SPDT	SPDT	SPDT	SPST - NO
Multiplexer/Demultiplexer Circuit	2:1	2:1	2:1	1:1
Supplier Device Package	12-DFN (3x1)	6-ULLGA (1x1)	10-UQFN (1.4x1.8)	US8
Charge Injection	7pC	-	60pC	3pC
Voltage - Supply, Dual (V±)	-	-	-	-
Channel Capacitance (CS(off), CD(off))	2.3pF	3.8pF	5pF	10pF, 10pF
-3db Bandwidth	250MHz	1GHz	44MHz	220MHz
Base Product Number	NLAS3158	NLAS3157	NLAS2750	NLAS3
Package / Case	12-WFDFN Exposed Pad	6-XFLGA	10-UFQFN	8-VFSOP (0.091', 2.30mm Width)
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Voltage - Supply, Single (V+)	1.65V ~ 5.5V	1.65V ~ 4.5V	1.8V ~ 5V	2V ~ 5.5V
Crosstalk	-54dB @ 10MHz	-21dB @ 240MHz	-60dB @ 300kHz	-
Number of Circuits	2	1	2	2
Channel-to-Channel Matching (ΔRon)	150mOhm	300mOhm	100mOhm	-
Switch Time (Ton, Toff) (Max)	5.2ns, 3.5ns	30ns, 25ns	150ns, 130ns	9ns, 10ns
Series	-	-	-	-

### NLAS3158MNR2G Datasheet PDF

Download NLAS3158MNR2G pdf datasheets and onsemi documentation for NLAS3158MNR2G - onsemi.

#### Datasheets

[NLAS3158.pdf](#)

#### Environmental Information

onsemi REACH.pdf

onsemi RoHS.pdf

Material Declaration NLAS3158MNR2G.pdf

## HTML Datasheet

NLAS3158.pdf

## Customers Also Interested in

### Recommended Products



**NLAS3257CMX2TCG**

onsemi  
IC MUX/DEMUX 1 X 2:1 6XLLGA



**NLAS3157MX3TCG**

onsemi  
IC SWITCH SPDT X 1 9.90HM 6ULLGA



**NLAS2750MUTAG**

onsemi  
IC SWITCH SPDT X 2 1.30HM 10UQFN



**NLAS323US**

onsemi  
IC SWITCH SPST-NO X 2 250HM US8



**NLAS1053USG**

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IC SWITCH SPDT X 1 160HM US8



**NLAS2066UST3G**

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IC SWITCH SPST-NO X 2 70HM US8



**NLAS1053**

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**NLAS323USG**

onsemi  
IC SWITCH SPST-NO X 2 250HM US8



**NLAS324**

AMI Semiconductor/onsemi



**NLAS1053US**

onsemi  
IC SWITCH SPDT X 1 160HM US8



**NLAS325**

AMI Semiconductor/onsemi



**NLAS325US**

onsemi  
IC SWITCH SPST-NO/NCX2 250HM US8



**NLAS323**

AMI Semiconductor/onsemi



**NLAS324US**

onsemi  
IC SWITCH SPST-NC X 2 250HM US8



**NLAS3157DFT2G**

AMI Semiconductor/onsemi



**NLAS324USG**

onsemi  
IC SWITCH SPST-NC X 2 250HM US8



**NLAS2066US**

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IC SWITCH SPST-NO X 2 70HM US8



**NLAS2066USG**

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IC SWITCH SPST-NO X 2 70HM US8

## 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

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Email

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## Certifications & Memberships



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