

Image may be representation.  
See specifications for product details.



## NLAS5157MUTCG

Manufacturer Part Number **NLAS5157MUTCG**

Manufacturer **onsemi**

Allelco Part Number **32D-NLAS5157MUTCG**

ECAD Model PCB Symbol, Footprint & 3D Mode

Parts Description **IC SWITCH SPDT X 1 500MOHM 6UDFN**

Package **6-UDFN**

Data sheet **NLAS5157.pdf**

**NLAS5157.pdf**

RoHs Status **ROHS3 Compliant**

**Get a Quote**

NLAS5157MUTCG - onsemi.New Original in Stock. Download Linear Technology NLAS5157MUTCG datasheet/specifications on AllelcoElec.com.  
Request a quote for NLAS5157MUTCG, please send us email: [info@allelco.com](mailto:info@allelco.com)

### Specifications

NLAS5157MUTCG Tech Specifications

NLAS5157MUTCG - onsemi technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	onsemi	Number of Circuits	1
Voltage - Supply, Single (V+)	1.65V ~ 4.5V	Multiplexer/Demultiplexer Circuit	2:1
Voltage - Supply, Dual (V±)	-	Mounting Type	Surface Mount
Switch Time (Ton, Toff) (Max)	40ns, 25ns	Current - Leakage (IS(off)) (Max)	100nA
Switch Circuit	SPDT	Crosstalk	-
Supplier Device Package	6-UDFN (1.45x1)	Charge Injection	38pC
Series	-	Channel-to-Channel Matching (ΔRon)	80mOhm
Package / Case	6-UDFN	Channel Capacitance (CS(off), CD(off))	47pF
Package	Tape & Reel (TR)	Base Product Number	NLAS5
Operating Temperature	-40°C ~ 85°C (TA)	-3db Bandwidth	36MHz
On-State Resistance (Max)	500mOhm		

### Parts with Similar Specifications

The three parts on the right have similar specifications to onsemi NLAS5157MUTCG

Product Attribute				
Part Number	NLAS5157MUTCG	NLAS4405MT2TBG	NLAS4783MN1R2G	NLAS5123MUR2G
Manufacturer	onsemi	onsemi	onsemi	onsemi
Multiplexer/Demultiplexer Circuit	2:1	2:1	2:1	2:1
Voltage - Supply, Single (V+)	1.65V ~ 4.5V	3V ~ 3.6V	1.65V ~ 4.5V	1.65V ~ 4.5V
Channel-to-Channel Matching (ΔRon)	80mOhm	46mOhm	400mOhm (Max)	120mOhm
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Channel Capacitance (CS(off), CD(off))	47pF	3.3pF	5pF	20pF
-3db Bandwidth	36MHz	450MHz	17MHz	55MHz
Charge Injection	38pC	-	50pC	48pC
Series	-	-	-	-
Package / Case	6-UDFN	16-WFQFN	16-VFQFN Exposed Pad	6-UDFN
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 85°C (TA)
Voltage - Supply, Dual (V±)	-	-	-	-
Switch Circuit	SPDT	SPDT	SPDT	SPDT
Package	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)	Tape & Reel (TR)
Base Product Number	NLAS5	NLAS5	NLAS4783	NLAS5123
Supplier Device Package	6-UDFN (1.45x1)	16-WQFN (1.8x2.6)	16-QFN (3x3)	6-UDFN (1.2x1)
Crosstalk	-	-97dB @ 20kHz	-62dB @ 100kHz	-70dB @ 1MHz
On-State Resistance (Max)	500mOhm	2.1Ohm	10Ohm	10Ohm
Switch Time (Ton, Toff) (Max)	40ns, 25ns	11μs, 95ns (Typ)	27ns, 20ns	20ns, 15ns
Number of Circuits	1	2	3	1
Current - Leakage (IS(off)) (Max)	100nA	-	500nA	2nA

### NLAS5157MUTCG Datasheet PDF

Download NLAS5157MUTCG pdf datasheets and onsemi documentation for NLAS5157MUTCG - onsemi.

#### Datasheets

[NLAS5157.pdf](#)

#### Environmental Information

onsemi REACH.pdf

onsemi RoHS.pdf

Material Declaration NLAS5157MUTCG.pdf

### PCN Assembly/Origin

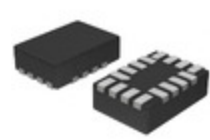
uDFN, uQFN Family 28/Jun/2013.pdf

### HTML Datasheet

NLAS5157.pdf

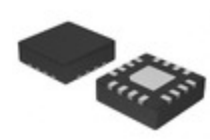
## Customers Also Interested in

### Recommended Products



**NLAS54405MT2TBG**

onsemi  
IC SWITCH SPDT X 2 2.1OHM  
16WQFN



**NLAS4783MN1R2G**

onsemi  
IC SWITCH SPDT X 3 1OHM 16QFN



**NLAS5123MUR2G**

onsemi  
IC SWITCH SPDT X 1 1OHM 6UDFN



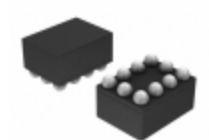
**NLAS4717EPMTR2G**

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IC SWITCH SPDT X 2 3.5OHM  
10WQFN



**NLAS4717MR2G**

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IC SWITCH SPDTX2 3.5OHM  
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**NLAS4717FCT1G**

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IC SW SPDTX2 3.5OHM  
10MICROBUMP



**NLAS5223LMNR2G**

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IC SWITCH SPDTX2 300MOHM  
10WQFN



**NLAS5213BMUTAG**

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IC SWITCH SPST-NOX2 1.3OHM  
8UDFN



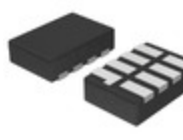
**NLAS5123MNR2G**

Fairchild Semiconductor  
SPDT, 1 CHANNEL, PDSO6



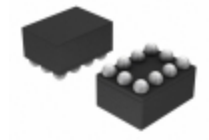
**NLAS5223MNR2G**

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IC SWITCH SPDTX2 300MOHM  
10WQFN



**NLAS5213AMUTAG**

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IC SWITCH DPST 8UDFN



**NLAS4717EPFCT1G**

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IC SW SPDTX2 3.5OHM  
10MICROBUMP



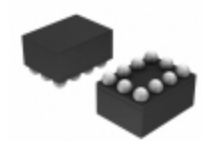
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IC SWITCH SPDTX2 430MOHM  
10UQFN



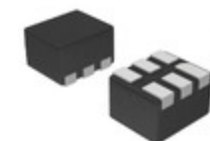
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IC SWITCH SPDTX2 350MOHM  
10WQFN



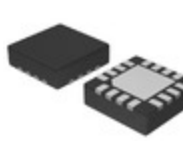
**NLAS4717FCT1**

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IC SW SPDTX2 3.5OHM  
10MICROBUMP



**NLAS5123MNR2G**

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IC SWITCH SPDT X 1 1OHM 6WDFN



**NLAS4783BMN1R2G**

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IC SWITCH SPDT X 3 1OHM 16QFN



**NLAS5223CMUTAG**

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IC SWITCH SPDTX2 350MOHM  
10UQFN

## 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 -



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Cost-Saving Procurement



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