

Image may be representation.  
See specifications for product details.



## DG212BDY-E3

Manufacturer Part Number	<b>DG212BDY-E3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-DG212BDY-E3
ECAD Model	Request Free CAD Models
Parts Description	IC SWITCH SPST-NOX4 85OHM 16SOIC
Package	16-SOIC (0.154", 3.90mm Width)
Data sheet	<b>DG211B,212B.pdf</b>
RoHs Status	<b>ROHS3 Compliant</b>

**Get a Quote**

DG212BDY-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology DG212BDY-E3 datasheet/specifications on AllelcoElec.com.  
Request a quote for DG212BDY-E3, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

DG212BDY-E3 Tech Specifications

DG212BDY-E3 - Vishay Siliconix technical specifications, attributes, parameters

Product Attribute	Attribute Value	Product Attribute	Attribute Value
Manufacturer	Vishay / Siliconix	Number of Circuits	4
Voltage - Supply, Single (V+)	4.5V ~ 25V	Multiplexer/Demultiplexer Circuit	1:1
Voltage - Supply, Dual (V±)	±4.5V ~ 22V	Mounting Type	Surface Mount
Switch Time (Ton, Toff) (Max)	300ns, 200ns	Current - Leakage (IS(off)) (Max)	500pA
Switch Circuit	SPST - NO	Crosstalk	-95dB @ 100kHz
Supplier Device Package	16-SOIC	Charge Injection	1pC
Series	-	Channel-to-Channel Matching (ΔRon)	20hm
Package / Case	16-SOIC (0.154", 3.90mm Width)	Channel Capacitance (CS(off), CD(off))	5pF, 5pF
Package	Tube	Base Product Number	DG212
Operating Temperature	-40°C ~ 85°C (TA)	-3db Bandwidth	-
On-State Resistance (Max)	850hm		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix DG212BDY-E3

Product Attribute				
Part Number	DG212BDY-E3	<b>DG212CJ</b>	<b>DG212CY</b>	<b>DG212CJ</b>
Manufacturer	Vishay Siliconix	Harris Corporation	Analog Devices Inc./Maxim Integrated	Analog Devices Inc./Maxim Integrated
Package / Case	16-SOIC (0.154", 3.90mm Width)	16-DIP (0.300", 7.62mm)	16-SOIC (0.154", 3.90mm Width)	16-DIP (0.300", 7.62mm)
Mounting Type	Surface Mount	Through Hole	Surface Mount	Through Hole
Multiplexer/Demultiplexer Circuit	1:1	1:1	1:1	1:1
Channel-to-Channel Matching (ΔRon)	20hm	-	-	-
-3db Bandwidth	-	-	-	-
Voltage - Supply, Dual (V±)	±4.5V ~ 22V	±4.5V ~ 18V	±4.5V ~ 18V	±4.5V ~ 18V
Package	Tube	Bulk	Bulk	Tube
Switch Circuit	SPST - NO	SPST - NO	SPST - NO	SPST - NO
Base Product Number	DG212	DG212	DG212	DG212
Current - Leakage (IS(off)) (Max)	500pA	5nA	5nA	5nA
Crosstalk	-95dB @ 100kHz	-90dB @ 100kHz	-90dB @ 100kHz	-90dB @ 100kHz
Channel Capacitance (CS(off), CD(off))	5pF, 5pF	5pF, 5pF	5pF, 5pF	5pF, 5pF
On-State Resistance (Max)	850hm	1750hm	1750hm	1750hm
Voltage - Supply, Single (V+)	4.5V ~ 25V	-	-	-
Supplier Device Package	16-SOIC	16-PDIP	16-SOIC	16-PDIP
Series	-	-	-	-
Number of Circuits	4	4	4	4
Operating Temperature	-40°C ~ 85°C (TA)	0°C ~ 70°C (TA)	0°C ~ 70°C	0°C ~ 70°C (TA)
Charge Injection	1pC	-	-	-
Switch Time (Ton, Toff) (Max)	300ns, 200ns	1μs, 500ns	1μs, 500ns	1μs, 500ns

## DG212BDY-E3 Datasheet PDF

Download DG212BDY-E3 pdf datasheets and Vishay Siliconix documentation for DG212BDY-E3 - Vishay Siliconix.

### PCN Assembly/Origin

Mult Dev 25/Jan/2023.pdf



















### PCN Design/Specification

Multi Devices 17/May/2017.pdf

 DG211B,212B.pdf

**Customers Also Interested in**

**Recommended Products**

					
<b>DG212CJ</b> Harris Corporation IC SWITCH SPST-NOX4 175OHM 16DIP	<b>DG212CY</b> Analog Devices Inc./Maxim Integrated IC SW SPST-NOX4 175OHM 16SOIC	<b>DG212CJ</b> Analog Devices Inc./Maxim Integrated IC SWITCH SPST-NOX4 175OHM 16DIP	<b>DG212CSE</b> Analog Devices Inc./Maxim Integrated IC SW SPST-NOX4 175OHM 16SOIC	<b>DG212CY-T</b> Analog Devices Inc./Maxim Integrated IC SW SPST-NOX4 175OHM 16SOIC	<b>DG211DY-T1-E3</b> BURR-BROWN
					
<b>DG212BDJ-E3</b> Vishay Siliconix IC SWITCH SPST-NOX4 850HM 16DIP	<b>DG211DY+T</b> Analog Devices Inc./Maxim Integrated IC SW SPST-NCX4 175OHM 16SOIC	<b>DG212BDY</b> Vishay Siliconix IC SWITCH SPST-NOX4 850HM 16SOIC	<b>DG212CSE+</b> Analog Devices Inc./Maxim Integrated IC SW SPST-NOX4 175OHM 16SOIC	<b>DG212B</b> Electro-Films (EFI) / Vishay	<b>DG211ESE+T</b> Analog Devices / Maxim Integrated
					
<b>DG212CY</b> Harris Corporation DG212 - QUAD SPST CMOS ANALOG SW	<b>DG212DJ</b> DG	<b>DG212BDY-T1-E3</b> Vishay Siliconix IC SWITCH SPST-NOX4 850HM 16SOIC	<b>DG211EUE+T</b> Analog Devices Inc./Maxim Integrated IC SW SPST-NCX4 175OHM 16TSSOP	<b>DG212BDJ</b> Vishay Siliconix IC SWITCH SPST-NOX4 850HM 16DIP	<b>DG211EUE+</b> Analog Devices Inc./Maxim Integrated IC SW SPST-NCX4 175OHM 16TSSOP

**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
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Contact us if you have any questions.

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**Certifications & Memberships**



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**Contact us**

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