

Image may be representation.  
See specifications for product details.



## DG213DY-T1-E3

|                          |                                  |
|--------------------------|----------------------------------|
| Manufacturer Part Number | <b>DG213DY-T1-E3</b>             |
| Manufacturer             | <b>Vishay / Siliconix</b>        |
| Allelco Part Number      | 32D-DG213DY-T1-E3                |
| ECAD Model               | PCB Symbol, Footprint & 3D Model |
| Parts Description        | IC SW SPST-NO/NCX4 600HM 16SOIC  |
| Package                  | 16-SOIC (0.154", 3.90mm Width)   |
| Data sheet               | <b>DG213.pdf</b>                 |
| RoHs Status              | <b>ROHS3 Compliant</b>           |

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DG213DY-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology DG213DY-T1-E3 datasheet/specifications on AllelcoElec.com.  
Request a quote for DG213DY-T1-E3, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

DG213DY-T1-E3 Tech Specifications

DG213DY-T1-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+) | 13V ~ 36V                      | Multiplexer/Demultiplexer Circuit      | 1:1             |
| Voltage - Supply, Dual (V±)   | ±7V ~ 22V                      | Mounting Type                          | Surface Mount   |
| Switch Time (Ton, Toff) (Max) | 130ns, 100ns                   | Current - Leakage (IS(off)) (Max)      | 500pA           |
| Switch Circuit                | SPST - NO/NC                   | Crosstalk                              | -95dB @ 100kHz  |
| Supplier Device Package       | 16-SOIC                        | Charge Injection                       | 1pC             |
| Series                        | -                              | Channel-to-Channel Matching (ΔRon)     | 10hm            |
| Package / Case                | 16-SOIC (0.154", 3.90mm Width) | Channel Capacitance (CS(off), CD(off)) | 5pF, 5pF        |
| Package                       | Tape & Reel (TR)               | Base Product Number                    | DG213           |
| Operating Temperature         | -40°C ~ 85°C (TA)              | -3db Bandwidth                         | -               |
| On-State Resistance (Max)     | 600hm                          |  |                 |

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix DG213DY-T1-E3

| Product Attribute                      |                                |                         |                         |                                      |
|--|--------------------------------|-------------------------|-------------------------|--------------------------------------|
| Part Number                            | DG213DY-T1-E3                  | <b>DG221BDJ-E3</b>      | <b>DG221BDJ</b>         | <b>DG212ETE+T</b>                    |
| Manufacturer                           | Vishay Siliconix               | Vishay Siliconix        | Vishay Siliconix        | Analog Devices Inc./Maxim Integrated |
| Base Product Number                    | DG213                          | DG221                   | DG221                   | DG212                                |
| Charge Injection                       | 1pC                            | 20pC                    | 20pC                    | -                                    |
| Series                                 | -                              | -                       | -                       | -                                    |
| Voltage - Supply, Dual (V±)            | ±7V ~ 22V                      | ±7V ~ 18V               | ±7V ~ 18V               | ±4.5V ~ 18V                          |
| Multiplexer/Demultiplexer Circuit      | 1:1                            | 1:1                     | 1:1                     | 1:1                                  |
| Supplier Device Package                | 16-SOIC                        | 16-PDIP                 | 16-PDIP                 | 16-TQFN (5x5)                        |
| Number of Circuits                     | 4                              | 4                       | 4                       | 4                                    |
| Mounting Type                          | Surface Mount                  | Through Hole            | Through Hole            | Surface Mount                        |
| Switch Time (Ton, Toff) (Max)          | 130ns, 100ns                   | 550ns, 340ns            | 550ns, 340ns            | 1μs, 500ns                           |
| Crosstalk                              | -95dB @ 100kHz                 | -90dB @ 100kHz          | -90dB @ 100kHz          | -90dB @ 100kHz                       |
| On-State Resistance (Max)              | 600hm                          | 900hm                   | 900hm                   | 1750hm                               |
| Channel Capacitance (CS(off), CD(off)) | 5pF, 5pF                       | 8pF, 9pF                | 8pF, 9pF                | 5pF, 5pF                             |
| Package / Case                         | 16-SOIC (0.154", 3.90mm Width) | 16-DIP (0.300", 7.62mm) | 16-DIP (0.300", 7.62mm) | 16-WQFN Exposed Pad                  |
| Channel-to-Channel Matching (ΔRon)     | 10hm                           | -                       | -                       | -                                    |
| Operating Temperature                  | -40°C ~ 85°C (TA)              | -40°C ~ 85°C (TA)       | -40°C ~ 85°C (TA)       | -40°C ~ 85°C (TA)                    |
| Voltage - Supply, Single (V+)          | 13V ~ 36V                      | 13V ~ 18V               | 13V ~ 18V               | -                                    |
| Current - Leakage (IS(off)) (Max)      | 500pA                          | 5nA                     | 5nA                     | 5nA                                  |
| -3db Bandwidth                         | -                              | -                       | -                       | -                                    |
| Package                                | Tape & Reel (TR)               | Tube                    | Bulk                    | Tape & Reel (TR)                     |
| Switch Circuit                         | SPST - NO/NC                   | SPST - NC               | SPST - NC               | SPST - NO                            |

## DG213DY-T1-E3 Datasheet PDF

Download DG213DY-T1-E3 pdf datasheets and Vishay Siliconix documentation for DG213DY-T1-E3 - Vishay Siliconix.

### Datasheets

[DG213.pdf](#)




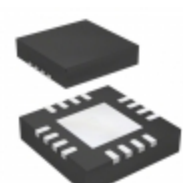














### PCN Assembly/Origin

[Mult Dev 25/Jan/2023.pdf](#)

 Multi Devices 17/May/2017.pdf

## Customers Also Interested in

### Recommended Products

|  |  |  |   |  |  |
|--|--|--|---|--|--|
|   |   |   |             |   |   |
| <b>DG221BDJ-E3</b><br>Vishay Siliconix<br>IC SWITCH SPST-NCX4 90OHM<br>16DIP       | <b>DG221BDJ</b><br>Vishay Siliconix<br>IC SWITCH SPST-NCX4 90OHM<br>16DIP          | <b>DG212ESE-T</b><br>Electro-Films (EFI) / Vishay                                  | <b>DG212ETE+T</b><br>Analog Devices Inc./Maxim<br>Integrated<br>IC SW SPST-NOX4 175OHM 16TQFN | <b>DG221CJ</b><br>Electro-Films (EFI) / Vishay                                       | <b>DG213DQ-T1-E3</b><br>Vishay Siliconix<br>IC SW SPST-NO/NCX4 60OHM<br>16TSSOP      |
|   |   |   |             |   |   |
| <b>DG213DJ</b><br>Vishay Siliconix<br>IC SW SPST-NO/NCX4 60OHM 16DIP               | <b>DG212DYZ</b><br>INT   | <b>DG213DJ-E3</b><br>Vishay Siliconix<br>IC SW SPST-NO/NCX4 60OHM 16DIP            | <b>DG212DY-T1</b><br>SILICONIX  | <b>DG242V-5.0-05P-11-00AH</b><br>DEGSON  | <b>DG243CJ</b><br>SILINON  |
|  |  |  |            |  |  |
| <b>DG212DJ</b><br>DG   | <b>DG212DY</b><br>Electro-Films (EFI) / Vishay                                     | <b>DG2303DL-T1-E3</b><br>Vishay Siliconix<br>IC SWITCH SPST-NOX1 70HM SC70-5       | <b>DG221BDY</b><br>Vishay Siliconix<br>IC SWITCH SPST-NCX4 90OHM<br>16SOIC                    | <b>DG2502DB-T2-GE1</b><br>Vishay Siliconix<br>IC SW SPST-NOX4 200OHM 16WCSP          | <b>DG213DY</b><br>Vishay Siliconix<br>IC SW SPST-NO/NCX4 60OHM<br>16SOIC             |

## 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           |

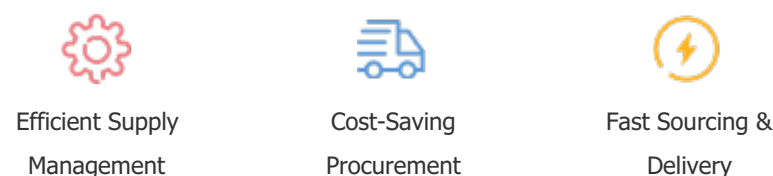
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors.  
Contact us if you have any questions.

### Payment Support

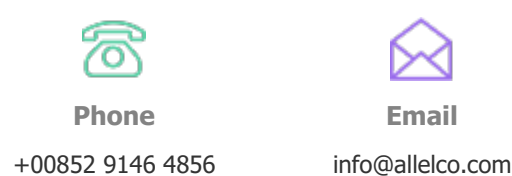
The payment method can be chosen from the methods shown below:  
Wire Transfer (T/T, Bank Transfer), Western Union, Credit card,  
PayPal.



### Your Faithful Supply Chain Partner -



Contact us if you have any questions.



### Certifications & Memberships



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### Contact us

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