



Image may be representation.  
See specifications for product details.



## DG641DY-E3

Manufacturer Part Number	<b>DG641DY-E3</b>
Manufacturer	<b>Vishay / Siliconix</b>
Allelco Part Number	32D-DG641DY-E3
ECAD Model	PCB Symbol, Footprint & 3D Model
Parts Description	IC SWITCH SPST-NOX4 150HM 16SOIC
Package	16-SOIC (0.154", 3.90mm Width)
Data sheet	<a href="#">Cylindrical Battery Holders.pdf</a>
RoHs Status	ROHS3 Compliant

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DG641DY-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology DG641DY-E3 datasheet/specifications on AllelcoElec.com. Request a quote for DG641DY-E3, please send us email: [info@allelco.com](mailto:info@allelco.com)

## Specifications

DG641DY-E3 Tech Specifications

DG641DY-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+)	3V ~ 15V	Multiplexer/Demultiplexer Circuit	1:1
Voltage - Supply, Dual (V±)	±3V ~ 15V	Mounting Type	Surface Mount
Switch Time (Ton, Toff) (Max)	70ns, 50ns	Current - Leakage (IS(off)) (Max)	10nA
Switch Circuit	SPST - NO	Crosstalk	-87dB @ 5MHz
Supplier Device Package	16-SOIC	Charge Injection	19pC
Series	-	Channel-to-Channel Matching (ΔRon)	10hm
Package / Case	16-SOIC (0.154", 3.90mm Width)	Channel Capacitance (CS(off), CD(off))	12pF, 12pF
Package	Bulk	Base Product Number	DG641
Operating Temperature	-40°C ~ 85°C (TA)	-3db Bandwidth	500MHz
On-State Resistance (Max)	150hm		

## Parts with Similar Specifications

The three parts on the right have similar specifications to Vishay Siliconix DG641DY-E3

Product Attribute				
Part Number	DG641DY-E3	DG636EQ-T1-E3	DG642DY	DG636EEQ-T1-GE4
Manufacturer	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix	Vishay Siliconix
Current - Leakage (IS(off)) (Max)	10nA	100pA	10nA	500pA
Operating Temperature	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)	-40°C ~ 85°C (TA)	-40°C ~ 125°C (TA)
Package	Bulk	Tape & Reel (TR)	Tube	Tape & Reel (TR)
Voltage - Supply, Single (V+)	3V ~ 15V	2.7V ~ 12V	3V ~ 15V	3V ~ 16V
Channel-to-Channel Matching (ΔRon)	10hm	10hm	500mOhm	20hm
Package / Case	16-SOIC (0.154", 3.90mm Width)	14-TSSOP (0.173", 4.40mm Width)	8-SOIC (0.154", 3.90mm Width)	14-TSSOP (0.173", 4.40mm Width)
Multiplexer/Demultiplexer Circuit	1:1	2:1	2:1	2:1
Mounting Type	Surface Mount	Surface Mount	Surface Mount	Surface Mount
Voltage - Supply, Dual (V±)	±3V ~ 15V	±2.7V ~ 5V	±3V ~ 15V	±3V ~ 8V
Number of Circuits	4	2	1	2
Crosstalk	-87dB @ 5MHz	-88dB @ 10MHz	-85dB @ 5MHz	-62dB @ 10MHz
Supplier Device Package	16-SOIC	14-TSSOP	8-SOIC	14-TSSOP
Charge Injection	19pC	0.1pC	40pC	-0.33pC
Channel Capacitance (CS(off), CD(off))	12pF, 12pF	2.1pF, 4.2pF	20pF, 20pF	3.7pF, 4.4pF
-3db Bandwidth	500MHz	610MHz	500MHz	700MHz
Switch Circuit	SPST - NO	SPDT	SPDT	SPDT
Series	-	-	-	-
Base Product Number	DG641	DG636	DG642	DG636
Switch Time (Ton, Toff) (Max)	70ns, 50ns	60ns, 52ns	100ns, 60ns	56ns, 61ns
On-State Resistance (Max)	150hm	1150hm	80hm	960hm

## DG641DY-E3 Datasheet PDF

Download DG641DY-E3 pdf datasheets and Vishay Siliconix documentation for DG641DY-E3 - Vishay Siliconix.

### Datasheets







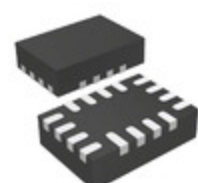


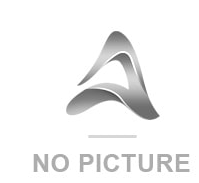






[Cylindrical Battery Holders.pdf](#)

### PCN Obsolescence/ EOL

[Cylindrical Battery Holders.pdf](#)

## Customers Also Interested in

### Recommended Products

 <b>DG636EQ-T1-E3</b> Vishay Siliconix IC SWITCH SPDTX2 1150HM 14TSSOP	 <b>DG642DY</b> Vishay Siliconix IC SWITCH SPDT X 1 80HM 8SOIC	 <b>DG636EEQ-T1-GE4</b> Vishay Siliconix IC SWITCH SPDT X 2 960HM 14TSSOP	 <b>DG613AEY-T1-E3</b> Vishay Siliconix IC SW SPST-NO/NCX4 1150HM 16SOIC	 <b>DG641DY-T1-E3</b> Vishay Siliconix IC SWITCH SPST-NOX4 150HM 16SOIC	 <b>DG642DY-E3</b> Vishay Siliconix IC SWITCH SPDT X 1 80HM 8SOIC
 <b>DG613DY</b> Vishay Siliconix IC SWITCH DPDT X 1 450HM 16SOIC	 <b>DG636EEN-T1-GE4</b> Vishay Siliconix IC SWITCH SPDTX2 960HM 16MINIQFN	 <b>DG641DJ</b> Vishay Siliconix IC SWITCH SPST-NOX4 150HM 16DIP	 <b>DG642DY-T1</b> Vishay Siliconix IC SWITCH SPDT X 1 80HM 8SOIC	 <b>DG641DY-TI-E3</b> SILICONIX	 <b>DG613DJ</b> Vishay Siliconix IC SWITCH DPDT X 1 450HM 16DIP
 <b>DG613DY-T1-E3</b> Vishay Siliconix IC SWITCH DPDT X 1 450HM 16SOIC	 <b>DG643DJ</b> Vishay Siliconix IC SWITCH SPDT X 2 150HM 16DIP	 <b>DG641DY-T1</b> Vishay Siliconix IC SWITCH SPST-NOX4 150HM 16SOIC	 <b>DG613AEY-TI-E3</b> Electro-Films (EFI) / Vishay	 <b>DG641DY</b> Vishay Siliconix IC SWITCH SPST-NOX4 150HM 16SOIC	 <b>DG642DY-T1-E3</b> Vishay Siliconix IC SWITCH SPDT X 1 80HM 8SOIC

## 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.

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### Certifications & Memberships



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