



Image may be representation.
See specifications for product details.



DG641DY-T1-E3

Manufacturer Part Number	DG641DY-T1-E3
Manufacturer	Vishay / Siliconix
Allelco Part Number	32D-DG641DY-T1-E3
ECAD Model	Request Free CAD Models
Parts Description	IC SWITCH SPST-NOX4 150HM 16SOIC
Package	16-SOIC (0.154", 3.90mm Width)
Data sheet	Cylindrical Battery Holders.pdf
RoHs Status	ROHS3 Compliant

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DG641DY-T1-E3 - Vishay Siliconix. New Original in Stock. Download Linear Technology DG641DY-T1-E3 datasheet/specifications on AllelcoElec.com.
Request a quote for DG641DY-T1-E3, please send us email: info@allelco.com

Specifications

DG641DY-T1-E3 Tech Specifications

DG641DY-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+)	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	Tape & Reel (TR)	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-T1-E3

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

DG641DY-T1-E3 Datasheet PDF

Download DG641DY-T1-E3 pdf datasheets and Vishay Siliconix documentation for DG641DY-T1-E3 - Vishay Siliconix.

Datasheets



[Cylindrical Battery Holders.pdf](#)

PCN Obsolescence/ EOL

[Cylindrical Battery Holders.pdf](#)

Customers Also Interested in

Recommended Products

					
DG642DY-E3 Vishay Siliconix IC SWITCH SPDT X 1 80HM 8SOIC	DG641DY-T1 Vishay Siliconix IC SWITCH SPST-NOX4 150HM 16SOIC	DG641DY-TI-E3 SILICONIX	DG636EEQ-T1-GE4 Vishay Siliconix IC SWITCH SPDT X 2 96OHM 14TSSOP	DG641DJ Vishay Siliconix IC SWITCH SPST-NOX4 150HM 16DIP	DG613DY Vishay Siliconix IC SWITCH DPDT X 1 450HM 16SOIC
					
DG613DJ Vishay Siliconix IC SWITCH DPDT X 1 450HM 16DIP	DG636EEN-T1-GE4 Vishay Siliconix IC SWITCH SPDTX2 96OHM 16MINIQFN	DG641DY Vishay Siliconix IC SWITCH SPST-NOX4 150HM 16SOIC	DG613DY-T1-E3 Vishay Siliconix IC SWITCH DPDT X 1 450HM 16SOIC	DG643DY Vishay Siliconix IC SWITCH SPDT X 2 150HM 16SOIC	DG641DY-E3 Vishay Siliconix IC SWITCH SPST-NOX4 150HM 16SOIC
					
DG642DY-T1-E3 Vishay Siliconix IC SWITCH SPDT X 1 80HM 8SOIC	DG642DY-T1-GE3 Electro-Films (EFI) / Vishay	DG642DY-T1 Vishay Siliconix IC SWITCH SPDT X 1 80HM 8SOIC	DG636EQ-T1-E3 Vishay Siliconix IC SWITCH SPDTX2 1150HM 14TSSOP	DG643DJ Vishay Siliconix IC SWITCH SPDT X 2 150HM 16DIP	DG642DY 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

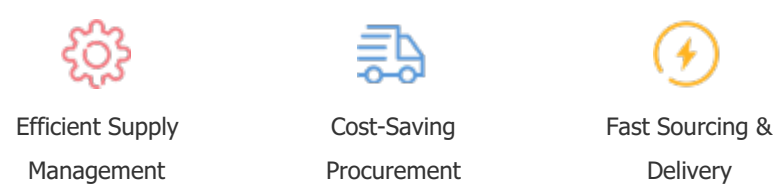
Note: The above table is for reference only. There may have some data bias for the uncontrollable factors. Contact us if you have any questions.

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 -



Contact us if you have any questions.



Certifications & Memberships



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