

DG643DY



Part Number: [DG643DY](#)

Manufacturer: [Electro-Films \(EFI\) / Vishay](#)

Description: IC VIDEO SWITCH SPDT 16SOIC

Data sheet:  [DG641-643](#)

RoHS Status: Contains lead / RoHS non-compliant

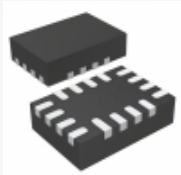
Ship From: Hong Kong

Shipment Way: DHL/Fedex/TNT/UPS/EMS

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PRODUCT PARAMETER			
Part Number	DG643DY	Manufacturer	Electro-Films (EFI) / Vishay
Description	IC VIDEO SWITCH SPDT 16SOIC	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	5949 pcs	Data sheet	DG641-643
Category	Integrated Circuits (ICs)	Voltage - Supply, Single (V+)	3 V ~ 15 V
Voltage - Supply, Dual (V±)	±3 V ~ 15 V	Switch Time (Ton, Toff) (Max)	70ns, 50ns
Switch Circuit	SPDT	Supplier Device Package	16-SOIC
Series	-	Packaging	Tube
Package / Case	16-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 85°C (TA)
On-State Resistance (Max)	15 Ohm	Number of Circuits	2
Multiplexer/Demultiplexer Circuit	2:1	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	Detailed Description	2 Circuit IC Switch 2:1 15 Ohm 16-SOIC
Current - Leakage (IS(off)) (Max)	10nA	Crosstalk	-87dB @ 5MHz
Charge Injection	19pC	Channel-to-Channel Matching (ΔRon)	1 Ohm
Channel Capacitance (CS(off), CD(off))	12pF, 12pF	-3db Bandwidth	500MHz
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RELATED PRODUCTS			
	Part#: DG636EEQ-T1-GE4 Description: IC SWITCH DUAL SPDT 14TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG636EN-T1-E4 Description: IC SWITCH DUAL SPDT 16-MINIQFN	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG642DY-T1-E3 Description: IC VIDEO SWITCH SPDT 8SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG643DJ-E3 Description: IC VIDEO SWITCH SPDT 16DIP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG643DY-E3 Description: IC VIDEO SWITCH SPDT 16SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG641DJ Description: IC VIDEO SWITCH SPDT 16DIP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG636EQ-T1-E3 Description: IC SWITCH DUAL SPDT 14TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG642DY Description: IC VIDEO SWITCH SPDT 8SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG643DY-T1 Description: IC VIDEO SWITCH SPDT 16SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG642DJ Description: IC VIDEO SWITCH SPDT 8DIP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
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	Part#: DG642DY-E3 Description: IC VIDEO SWITCH SPDT 8SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG642DY-T1 Description: IC VIDEO SWITCH SPDT 8SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG643DY-T1-E3 Description: IC VIDEO SWITCH SPDT 16SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
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	Part#: DG642DJ-E3 Description: IC VIDEO SWITCH SPDT 8DIP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ

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