

DG643DY-E3



Part Number: [DG643DY-E3](#)

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

Description: IC VIDEO SWITCH SPDT 16SOIC

Data sheet:  [DG641-643](#)

RoHs Status: Lead free / RoHS Compliant

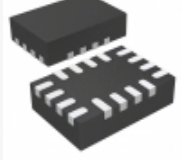
Ship From: Hong Kong

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PRODUCT PARAMETER			
Part Number	DG643DY-E3	Manufacturer	Electro-Films (EFI) / Vishay
Description	IC VIDEO SWITCH SPDT 16SOIC	Lead Free Status / RoHS Status	Lead free / RoHS Compliant
Quantity Available	4509 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)	Other Names	DG643DYE3
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	Lead free / RoHS 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
Base Part Number	DG643	-3db Bandwidth	500MHz
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	Part#: DG641DJ Description: IC VIDEO SWITCH SPDT 16DIP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG642DY Description: IC VIDEO SWITCH SPDT 8SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG641DY-T1-E3 Description: IC VIDEO SWITCH SPDT16DSOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG642DJ Description: IC VIDEO SWITCH SPDT 8DIP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG636EQ-T1-E3 Description: IC SWITCH DUAL SPDT 14TSSOP	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#: DG642DY-T1-E3 Description: IC VIDEO SWITCH SPDT 8SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
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