

DG642DY-T1



Part Number: [DG642DY-T1](#)

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

Description: IC VIDEO SWITCH SPDT 8SOIC

Data sheet:  [DG641-643](#)

RoHs Status: Contains lead / RoHS non-compliant

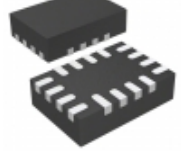
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Request For Quotation

PRODUCT PARAMETER			
Part Number	DG642DY-T1	Manufacturer	Electro-Films (EFI) / Vishay
Description	IC VIDEO SWITCH SPDT 8SOIC	Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant
Quantity Available	5137 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)	100ns, 60ns
Switch Circuit	SPDT	Supplier Device Package	8-SOIC
Series	-	Packaging	Tape & Reel (TR)
Package / Case	8-SOIC (0.154", 3.90mm Width)	Operating Temperature	-40°C ~ 85°C (TA)
On-State Resistance (Max)	8 Ohm	Number of Circuits	1
Multiplexer/Demultiplexer Circuit	2:1	Moisture Sensitivity Level (MSL)	1 (Unlimited)
Lead Free Status / RoHS Status	Contains lead / RoHS non-compliant	Detailed Description	1 Circuit IC Switch 2:1 8 Ohm 8-SOIC
Current - Leakage (IS(off)) (Max)	10nA	Crosstalk	-85dB @ 5MHz
Charge Injection	40pC	Channel-to-Channel Matching (ΔRon)	500 mOhm
Channel Capacitance (CS(off), CD(off))	20pF, 20pF	-3db Bandwidth	500MHz
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	Part#: DG642DJ-E3 Description: IC VIDEO SWITCH SPDT 8DIP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG642DJ Description: IC VIDEO SWITCH SPDT 8DIP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG643DY-E3 Description: IC VIDEO SWITCH SPDT 16SOIC	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#: DG641DY-E3 Description: IC VIDEO SWITCH SPDT 16DSOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
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	Part#: DG643DY-T1-E3 Description: IC VIDEO SWITCH SPDT 16SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG636EQ-T1-E3 Description: IC SWITCH DUAL SPDT 14TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG641DY-T1-E3 Description: IC VIDEO SWITCH SPDT16DSOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
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	Part#: DG641DY Description: IC VIDEO SWITCH SPDT 16DSOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG643DJ Description: IC VIDEO SWITCH SPDT 16DIP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
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	Part#: DG643DY Description: IC VIDEO SWITCH SPDT 16SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG642DY-E3 Description: IC VIDEO SWITCH SPDT 8SOIC	Manufacturers: Electro-Films (EFI) / Vishay	RFQ
	Part#: DG636EEQ-T1-GE4 Description: IC SWITCH DUAL SPDT 14TSSOP	Manufacturers: Electro-Films (EFI) / Vishay	RFQ

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