



Electro-Films (EFI) / Vishay



DG642DY-E3

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | DG642DY-E3                                                                                                   |
| Manufacturer/Brand: | Electro-Films (EFI) / Vishay                                                                                 |
| Product description | IC VIDEO SWITCH SPDT 8SOIC                                                                                   |
| Datasheets:         |  DG642DY-E3.pdf             |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 5054 pcs stock                                                                                               |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of DG642DY-E3

|                                        |                                                                                                    |
|----------------------------------------|----------------------------------------------------------------------------------------------------|
| PART NUMBER                            | DG642DY-E3                                                                                         |
| MANUFACTURER                           | Electro-Films (EFI) / Vishay                                                                       |
| DESCRIPTION                            | IC VIDEO SWITCH SPDT 8SOIC                                                                         |
| LEAD FREE STATUS / ROHS STATUS         | Lead free / RoHS Compliant                                                                         |
| QUANTITY AVAILABLE                     | 5054 pcs                                                                                           |
| DATA SHEET                             |  DG642DY-E3.pdf |
| 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                              | Tube                                                                                               |
| PACKAGE / CASE                         | 8-SOIC (0.154", 3.90mm Width)                                                                      |
| OTHER NAMES                            | DG642DYE3                                                                                          |
| 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         | Lead free / RoHS 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                                                                                         |
| BASE PART NUMBER                       | DG642                                                                                              |
| -3DB BANDWIDTH                         | 500MHz                                                                                             |

Related Tags

|                                                |                                         |                                             |
|------------------------------------------------|-----------------------------------------|---------------------------------------------|
| Electro-Films (EFI) / Vishay DG642DY-E3        | DG642DY-E3 Distributor                  | DG642DY-E3 Supplier                         |
| DG642DY-E3 Price                               | DG642DY-E3 Pictures                     | DG642DY-E3 Image                            |
| DG642DY-E3 PDF Datasheet                       | DG642DY-E3 Download Datasheet           | DG642DY-E3 Datasheet                        |
| DG642DY-E3 Stock                               | Buy DG642DY-E3                          | Buy Electro-Films (EFI) / Vishay DG642DY-E3 |
| Electro-Films (EFI) / Vishay DG642DY-E3        | Electro-Films (EFI) / Vishay Supplier   | Electro-Films (EFI) / Vishay Distributor    |
| Electro-Films (EFI) / Vishay DG642DY-E3        | Electro-Films (EFI) / Vishay DG642DY-E3 | Vishay Electro-Films DG642DY-E3             |
| Phoenix Passive Components / Vishay DG642DY-E3 |                                         |                                             |

Related Products

|                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div></div> <div><b>DG642DY-T1</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 8SOIC<br/>In stock: 6951 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>DG641DY-T1-E3</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT16DSOIC<br/>In stock: 5910 pcs<br/><div>RFQ</div></div> |
| <div></div> <div><b>DG643DJ</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 16DIP<br/>In stock: 6049 pcs<br/><div>RFQ</div></div>      | <div></div> <div><b>DG642DJ</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 8DIP<br/>In stock: 3982 pcs<br/><div>RFQ</div></div>         |
| <div></div> <div><b>DG643DY</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 16SOIC<br/>In stock: 3276 pcs<br/><div>RFQ</div></div>     | <div></div> <div><b>DG641DY-E3</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 16DSOIC<br/>In stock: 3386 pcs<br/><div>RFQ</div></div>   |
| <div></div> <div><b>DG641DY-T1</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 16DSOIC<br/>In stock: 2795 pcs<br/><div>RFQ</div></div> | <div></div> <div><b>DG642DY-T1-E3</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 8SOIC<br/>In stock: 6064 pcs<br/><div>RFQ</div></div>  |
| <div></div> <div><b>DG643DJ-E3</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 16DIP<br/>In stock: 3565 pcs<br/><div>RFQ</div></div>   | <div></div> <div><b>DG643DY-E3</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 16SOIC<br/>In stock: 6518 pcs<br/><div>RFQ</div></div>    |
| <div></div> <div><b>DG642DJ-E3</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 8DIP<br/>In stock: 4316 pcs<br/><div>RFQ</div></div>    | <div></div> <div><b>DG642DY</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC VIDEO SWITCH SPDT 8SOIC<br/>In stock: 6917 pcs<br/><div>RFQ</div></div>        |