



A Renesas Company

Intersil



DG442DY

|                     |                                                                                                                      |
|---------------------|----------------------------------------------------------------------------------------------------------------------|
| Part Number:        | DG442DY                                                                                                              |
| Manufacturer/Brand: | Intersil                                                                                                             |
| Product description | IC SWITCH QUAD SPST 16SOIC                                                                                           |
| Datasheets:         |  DG442DY.pdf                        |
| RoHs Status         |  Contains lead / RoHS non-compliant |
| Ship From           | Hong Kong                                                                                                            |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                                |

REQUEST FOR QUOTATION

Image may be representation. See specifications for product details.

Specifications of DG442DY

|                                        |                                                                                                 |
|----------------------------------------|-------------------------------------------------------------------------------------------------|
| PART NUMBER                            | DG442DY                                                                                         |
| MANUFACTURER                           | Intersil                                                                                        |
| DESCRIPTION                            | IC SWITCH QUAD SPST 16SOIC                                                                      |
| LEAD FREE STATUS / ROHS STATUS         | Contains lead / RoHS non-compliant                                                              |
| DATA SHEET                             |  DG442DY.pdf |
| VOLTAGE - SUPPLY, SINGLE (V+)          | 5 V ~ 34 V                                                                                      |
| VOLTAGE - SUPPLY, DUAL (V±)            | ±5 V ~ 22 V                                                                                     |
| SWITCH TIME (TON, TOFF) (MAX)          | 250ns, 210ns                                                                                    |
| SWITCH CIRCUIT                         | SPST - NO                                                                                       |
| SUPPLIER DEVICE PACKAGE                | 16-SOIC                                                                                         |
| SERIES                                 | -                                                                                               |
| PACKAGING                              | Tube                                                                                            |
| PACKAGE / CASE                         | 16-SOIC (0.154", 3.90mm Width)                                                                  |
| OTHER NAMES                            | DG442DYIS                                                                                       |
| OPERATING TEMPERATURE                  | -40°C ~ 85°C (TA)                                                                               |
| ON-STATE RESISTANCE (MAX)              | 85 Ohm                                                                                          |
| NUMBER OF CIRCUITS                     | 4                                                                                               |
| MULTIPLEXER/DEMULTIPLEXER CIRCUIT      | 1:1                                                                                             |
| MOISTURE SENSITIVITY LEVEL (MSL)       | 1 (Unlimited)                                                                                   |
| LEAD FREE STATUS / ROHS STATUS         | Contains lead / RoHS non-compliant                                                              |
| DETAILED DESCRIPTION                   | 4 Circuit IC Switch 1:1 85 Ohm 16-SOIC                                                          |
| CURRENT - LEAKAGE (IS(OFF)) (MAX)      | 500pA                                                                                           |
| CROSSTALK                              | -100dB @ 1MHz                                                                                   |
| CHARGE INJECTION                       | -1pC                                                                                            |
| CHANNEL-TO-CHANNEL MATCHING (ΔRON)     | -                                                                                               |
| CHANNEL CAPACITANCE (CS(OFF), CD(OFF)) | 4pF, 4pF                                                                                        |
| BASE PART NUMBER                       | DG442                                                                                           |
| -3DB BANDWIDTH                         | -                                                                                               |

Related Tags

|                       |                            |                      |
|-----------------------|----------------------------|----------------------|
| Intersil DG442DY      | DG442DY Distributor        | DG442DY Supplier     |
| DG442DY Price         | DG442DY Pictures           | DG442DY Image        |
| DG442DY PDF Datasheet | DG442DY Download Datasheet | DG442DY Datasheet    |
| DG442DY Stock         | Buy DG442DY                | Buy Intersil DG442DY |
| Intersil DG442DY      | Intersil Supplier          | Intersil Distributor |
| Intersil DG442DY      |                            |                      |

Related Products

|                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  <div><b>DG442DY-E3</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC SWITCH QUAD SPST 16SOIC<br/>In stock: 440 pcs<br/><b>RFQ</b></div> |  <div><b>DG442DJZ</b><br/>Manufacturers: Intersil<br/>Description: IC SWITCH QUAD SPST 16DIP<br/>In stock: 510 pcs<br/><b>RFQ</b></div>                       |
|  <div><b>DG442DY-T</b><br/>Manufacturers: Intersil<br/>Description: IC SWITCH QUAD SPST 16SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div>                    |  <div><b>DG442DY</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC SWITCH QUAD SPST 16SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div> |
|  <div><b>DG442DJ-E3</b><br/>Manufacturers: Electro-Films (EFI) / Vishay<br/>Description: IC SWITCH QUAD SPST 16DIP<br/>In stock: 127 pcs<br/><b>RFQ</b></div>  |  <div><b>DG442DY</b><br/>Manufacturers: Maxim Integrated<br/>Description: IC SWITCH QUAD SPST 16SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div>             |
|  <div><b>DG442DK</b><br/>Manufacturers: Maxim Integrated<br/>Description: IC ANLG SWITCH SPST QUAD CDIP<br/>In stock: Out stock<br/><b>RFQ</b></div>           |  <div><b>DG442DVZ-T</b><br/>Manufacturers: Intersil<br/>Description: IC SWITCH QUAD SPST 16TSSOP<br/>In stock: Out stock<br/><b>RFQ</b></div>                 |
|  <div><b>DG442DY+</b><br/>Manufacturers: Maxim Integrated<br/>Description: IC SWITCH QUAD SPST 16SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div>             |  <div><b>DG442DJ+</b><br/>Manufacturers: Maxim Integrated<br/>Description: IC SWITCH QUAD SPST 16DIP<br/>In stock: 32 pcs<br/><b>RFQ</b></div>                |
|  <div><b>DG442DY+T</b><br/>Manufacturers: Maxim Integrated<br/>Description: IC SWITCH QUAD SPST 16SOIC<br/>In stock: Out stock<br/><b>RFQ</b></div>            |  <div><b>DG442DVZ</b><br/>Manufacturers: Intersil<br/>Description: IC SWITCH QUAD SPST 16TSSOP<br/>In stock: Out stock<br/><b>RFQ</b></div>                   |