



ADI (Analog Devices, Inc.)



Image may be representation. See specifications for product details.

ADUM1442ARSZ-RL7

|                     |                                                                                                              |
|---------------------|--------------------------------------------------------------------------------------------------------------|
| Part Number:        | ADUM1442ARSZ-RL7                                                                                             |
| Manufacturer/Brand: | ADI (Analog Devices, Inc.)                                                                                   |
| Product description | DGTL ISO 3.75KV GEN PURP 20SSOP                                                                              |
| Datasheets:         |  ADUM1442ARSZ-RL7.pdf       |
| RoHs Status         |  Lead free / RoHS Compliant |
| Stock Condition     | 23525 pcs stock                                                                                              |
| Ship From           | Hong Kong                                                                                                    |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                                                        |

REQUEST FOR QUOTATION

Specifications of ADUM1442ARSZ-RL7

|                                      |                                                                                                          |
|--------------------------------------|----------------------------------------------------------------------------------------------------------|
| PART NUMBER                          | ADUM1442ARSZ-RL7                                                                                         |
| MANUFACTURER                         | ADI (Analog Devices, Inc.)                                                                               |
| DESCRIPTION                          | DGTL ISO 3.75KV GEN PURP 20SSOP                                                                          |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                               |
| QUANTITY AVAILABLE                   | 23525 pcs                                                                                                |
| DATA SHEET                           |  ADUM1442ARSZ-RL7.pdf |
| VOLTAGE - SUPPLY                     | 2.25 V ~ 3.6 V                                                                                           |
| VOLTAGE - ISOLATION                  | 3750Vrms                                                                                                 |
| TYPE                                 | General Purpose                                                                                          |
| TECHNOLOGY                           | Magnetic Coupling                                                                                        |
| SUPPLIER DEVICE PACKAGE              | 20-SSOP                                                                                                  |
| SERIES                               | iCoupler®                                                                                                |
| RISE / FALL TIME (TYP)               | 2ns, 2ns                                                                                                 |
| PULSE WIDTH DISTORTION (MAX)         | 8ns                                                                                                      |
| PROPAGATION DELAY TPLH / TPHL (MAX)  | 180ns, 180ns                                                                                             |
| PACKAGING                            | Tape & Reel (TR)                                                                                         |
| PACKAGE / CASE                       | 20-SSOP (0.209", 5.30mm Width)                                                                           |
| OPERATING TEMPERATURE                | -40°C ~ 125°C                                                                                            |
| NUMBER OF CHANNELS                   | 4                                                                                                        |
| MOUNTING TYPE                        | Surface Mount                                                                                            |
| MOISTURE SENSITIVITY LEVEL (MSL)     | 3 (168 Hours)                                                                                            |
| LEAD FREE STATUS / ROHS STATUS       | Lead free / RoHS Compliant                                                                               |
| ISOLATED POWER                       | No                                                                                                       |
| INPUTS - SIDE 1/SIDE 2               | 2/2                                                                                                      |
| DETAILED DESCRIPTION                 | General Purpose Digital Isolator 3750Vrms 4 Channel 2Mbps 25kV/μs CMTI 20-SSOP (0.209", 5.30mm Width)    |
| DATA RATE                            | 2Mbps                                                                                                    |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 25kV/μs                                                                                                  |
| CHANNEL TYPE                         | Unidirectional                                                                                           |
| BASE PART NUMBER                     | ADUM1442                                                                                                 |

Related Tags

|                                             |                                       |                                                 |
|---------------------------------------------|---------------------------------------|-------------------------------------------------|
| ADI (Analog Devices, Inc.) ADUM1442ARSZ-RL7 | ADUM1442ARSZ-RL7 Distributor          | ADUM1442ARSZ-RL7 Supplier                       |
| ADUM1442ARSZ-RL7 Price                      | ADUM1442ARSZ-RL7 Pictures             | ADUM1442ARSZ-RL7 Image                          |
| ADUM1442ARSZ-RL7 PDF Datasheet              | ADUM1442ARSZ-RL7 Download Datasheet   | ADUM1442ARSZ-RL7 Datasheet                      |
| ADUM1442ARSZ-RL7 Stock                      | Buy ADUM1442ARSZ-RL7                  | Buy ADI (Analog Devices, Inc.) ADUM1442ARSZ-RL7 |
| ADI (Analog Devices, Inc.) ADUM1442ARSZ-RL7 | ADI (Analog Devices, Inc.) Supplier   | ADI (Analog Devices, Inc.) Distributor          |
| ADI (Analog Devices, Inc.) ADUM1442ARSZ-RL7 | AD ADUM1442ARSZ-RL7                   | ADI (Analog Devices, Inc.) ADUM1442ARSZ-RL7     |
| Analog Devices Inc. ADUM1442ARSZ-RL7        | Analog Devices, Inc. ADUM1442ARSZ-RL7 |                                                 |

Related Products

|                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div><div>ADUM1446ARQZ-RL7</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 2.5KV GEN PURP 16QSOP<br/>In stock: 29588 pcs</div><div>RFQ</div></div>  | <div><div>ADUM1445ARSZ</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 3.75KV GEN PURP 20SSOP<br/>In stock: 16170 pcs</div><div>RFQ</div></div>     |
| <div><div>ADUM1445ARQZ-RL7</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 2.5KV GEN PURP 16QSOP<br/>In stock: 37415 pcs</div><div>RFQ</div></div>  | <div><div>ADUM1441ARQZ-RL7</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 2.5KV GEN PURP 16QSOP<br/>In stock: 33622 pcs</div><div>RFQ</div></div>  |
| <div><div>ADUM1442ARSZ</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 3.75KV GEN PURP 20SSOP<br/>In stock: 12503 pcs</div><div>RFQ</div></div>     | <div><div>ADUM1445ARSZ-RL7</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 3.75KV GEN PURP 20SSOP<br/>In stock: 25452 pcs</div><div>RFQ</div></div> |
| <div><div>ADUM1442ARQZ-RL7</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 2.5KV GEN PURP 16QSOP<br/>In stock: 35401 pcs</div><div>RFQ</div></div>  | <div><div>ADUM1441ARSZ</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 3.75KV GEN PURP 20SSOP<br/>In stock: 13681 pcs</div><div>RFQ</div></div>     |
| <div><div>ADUM1441ARSZ-RL7</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 3.75KV GEN PURP 20SSOP<br/>In stock: 26396 pcs</div><div>RFQ</div></div> | <div><div>ADUM1442ARQZ</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 2.5KV GEN PURP 16QSOP<br/>In stock: 15374 pcs</div><div>RFQ</div></div>      |
| <div><div>ADUM1445ARQZ</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 2.5KV GEN PURP 16QSOP<br/>In stock: 19628 pcs</div><div>RFQ</div></div>      | <div><div>ADUM1446ARQZ</div><div>Manufacturers: ADI (Analog Devices, Inc.)<br/>Description: DGTL ISO 2.5KV GEN PURP 16QSOP<br/>In stock: 16575 pcs</div><div>RFQ</div></div>      |