**ANALOG DEVICES**
AHEAD OF WHAT'S POSSIBLE™

ADI (Analog Devices, Inc.)

## ADUM7442CRQZ

| | |
|---|---|
| Part Number: | ADUM7442CRQZ |
| Manufacturer/Brand: | ADI (Analog Devices, Inc.) |
| Product description | DGTL ISO 1KV 4CH GEN PURP 16QSOP |
| Datasheets: | 📄 ADUM7442CRQZ.pdf |
| RoHs Status | ✅ Lead free / RoHS Compliant |
| Stock Condition | 15213 pcs stock |
| Ship From | Hong Kong |
| Shipment Way | DHL/Fedex/TNT/UPS/EMS |

**REQUEST FOR QUOTATION**

Image may be representation. See specifications for product details.

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## Specifications of ADUM7442CRQZ

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|---|---|
| PART NUMBER | ADUM7442CRQZ |
| MANUFACTURER | ADI (Analog Devices, Inc.) |
| DESCRIPTION | DGTL ISO 1KV 4CH GEN PURP 16QSOP |
| LEAD FREE STATUS / ROHS STATUS | Lead free / RoHS Compliant |
| QUANTITY AVAILABLE | 15213 pcs |
| DATA SHEET | 📄 ADUM7442CRQZ.pdf |
| VOLTAGE - SUPPLY | 3 V ~ 5.5 V |
| VOLTAGE - ISOLATION | 1000Vrms |
| TYPE | General Purpose |
| TECHNOLOGY | Magnetic Coupling |
| SUPPLIER DEVICE PACKAGE | 16-QSOP |
| SERIES | iCoupler® |
| RISE / FALL TIME (TYP) | 2ns, 2ns |
| PULSE WIDTH DISTORTION (MAX) | 5ns |
| PROPAGATION DELAY TPLH / TPHL (MAX) | 50ns, 50ns |
| PACKAGING | Tube |
| PACKAGE / CASE | 16-SSOP (0.154", 3.90mm Width) |
| OPERATING TEMPERATURE | -40℃ ~ 105℃ |
| NUMBER OF CHANNELS | 4 |
| MOUNTING TYPE | Surface Mount |
| MOISTURE SENSITIVITY LEVEL (MSL) | 1 (Unlimited) |
| 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 1000Vrms 4 Channel 25Mbps 15kV/µs CMTI 16-SSOP (0.154", 3.90mm Width) |
| DATA RATE | 25Mbps |
| COMMON MODE TRANSIENT IMMUNITY (MIN) | 15kV/µs |
| CHANNEL TYPE | Unidirectional |
| BASE PART NUMBER | ADUM7442 |

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## Related Tags

| | | |
|---|---|---|
| ADI (Analog Devices, Inc.) ADUM7442CRQZ | ADUM7442CRQZ Distributor | ADUM7442CRQZ Supplier |
| ADUM7442CRQZ Price | ADUM7442CRQZ Pictures | ADUM7442CRQZ Image |
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| ADUM7442CRQZ Stock | Buy ADUM7442CRQZ | Buy ADI (Analog Devices, Inc.) ADUM7442CRQZ |
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| Analog Devices Inc. ADUM7442CRQZ | Analog Devices, Inc. ADUM7442CRQZ | |

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## Related Products

### ADUM7441CRQZ
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 4CH GEN PURP 16QSOP
In stock: 17232 pcs
**RFQ**

### ADUM7442CRQZ-RL7
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 4CH GEN PURP 16QSOP
In stock: 34104 pcs
**RFQ**

### ADUM7442ARQZ-RL7
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 4CH GEN PURP 16QSOP
In stock: 41679 pcs
**RFQ**

### ADUM7510BRQZ
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 5CH GEN PURP 16QSOP
In stock: 17115 pcs
**RFQ**

### ADUM7442ARQZ
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 4CH GEN PURP 16QSOP
In stock: 22141 pcs
**RFQ**

### ADUM7441ARQZ
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 4CH GEN PURP 16QSOP
In stock: 23059 pcs
**RFQ**

### ADUM7640ARQZ
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 6CH GEN PURP 20QSOP
In stock: 18205 pcs
**RFQ**

### ADUM7441ARQZ-RL7
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 4CH GEN PURP 16QSOP
In stock: 48015 pcs
**RFQ**

### ADUM7510BRWZ
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 5CH GEN PURP
In stock: 6513 pcs
**RFQ**

### ADUM7441CRQZ-RL7
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 4CH GEN PURP 16QSOP
In stock: 17632 pcs
**RFQ**

### ADUM7510BRQZ-RL7
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 5CH GEN PURP 16QSOP
In stock: 29048 pcs
**RFQ**

### ADUM7510BRWZ-RL
Manufacturers: ADI (Analog Devices, Inc.)
Description: DGTL ISO 1KV 5CH GEN PURP
In stock: 4201 pcs
**RFQ**

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