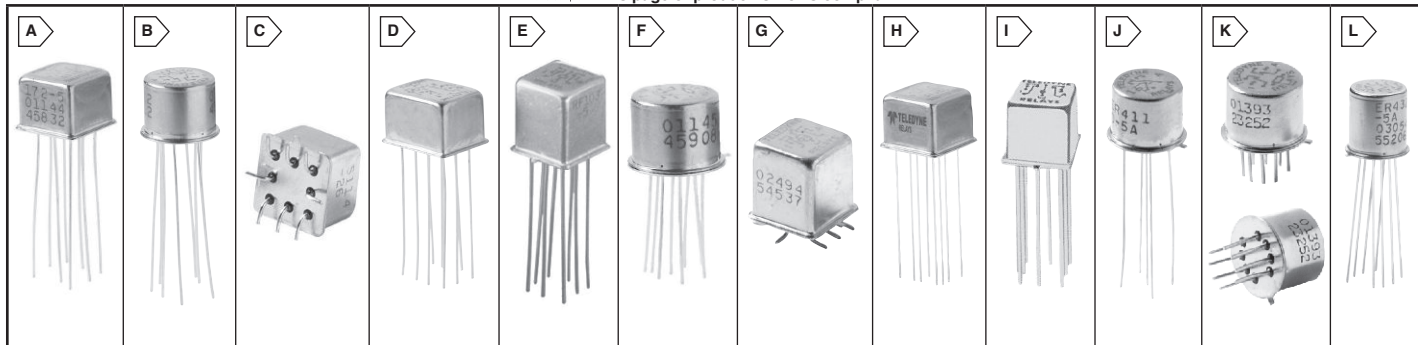


TELEDYNE RF, General Purpose Centigrad & TO-5 Relays

RoHS Compliant This page of product is RoHS compliant.



DPDT GENERAL PURPOSE CENTIGRID & TO-5 RELAYS

- Features:**
- Surface mount (S172 Series)
 - Dry circuit to 1A, 28VDC
 - Superb RF performance, DC to 1GHz
 - Hermetically sealed
 - Gold-plated contacts
 - With internal transistor driver
 - With internal diode

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Freq. | Coil Res. (Ω) | Price Each | |
|--------------------------|-------------------|------|--------------|---------|---------------|------------|-------|
| | | | | | | 1 | 25 |
| 881-172-12 | 172-12 | A | 12V | DC-1GHz | 0.15W | 33.98 | 32.25 |
| 881-172-26 | 172-26 | A | 26V | DC-1GHz | 0.15W | 39.56 | 37.81 |
| 881-172-5 | 172-5 | A | 5V | DC-1GHz | 0.15W | 32.68 | 31.23 |
| † 881-172D-12 | 172D-12 | A | 12V | DC-1GHz | 0.15W | 37.60 | 36.08 |
| † 881-172D-26 | 172D-26 | A | 26V | DC-1GHz | 0.15W | 36.69 | 32.86 |
| 881-172D-5 | 172D-5 | A | 5V | DC-1GHz | 0.15W | 37.60 | 36.08 |
| † 881-172DM4-12 | 172DM4-12 | A | 12V | DC-1GHz | 0.15W | 39.05 | 36.33 |
| 881-172M4-5 | 172M4-5 | A | 5V | DC-1GHz | 0.15W | 35.18 | 32.09 |
| 881-712-12 | 712-12 | B | 12V | DC-1GHz | 0.15W | 34.56 | 33.84 |
| 881-712-26 | 712-26 | B | 26V | DC-1GHz | 0.15W | 34.56 | 33.84 |
| 881-712-5 | 712-5 | B | 5V | DC-1GHz | 0.15W | 34.56 | 33.84 |
| † 881-712D-12 | 712D-12 | B | 12V | DC-1GHz | 0.15W | 39.49 | 37.61 |
| † 881-712D-26 | 712D-26 | B | 26V | DC-1GHz | 0.15W | 45.17 | 43.17 |
| 881-712D-5 | 712D-5 | B | 5V | DC-1GHz | 0.15W | 39.75 | 38.13 |
| † 881-712DY-12 | 712DY-12 | B | 12V | DC-1GHz | 0.15W | 39.57 | 38.17 |
| * 881-712TN-5 | 712TN-5 | B | 5V | DC-1GHz | 0.15W | 51.12 | 50.24 |
| Magnetic Latching | | | | | | | |
| 881-722-12 | 722-12 | B | 12V | DC-1GHz | 0.15W | 54.86 | 52.18 |
| 881-722-26 | 722-26 | B | 26V | DC-1GHz | 0.15W | 54.86 | 52.18 |
| 881-722-5 | 722-5 | B | 5V | DC-1GHz | 0.15W | 54.86 | 52.18 |
| High Sensitivity | | | | | | | |
| 881-732-12 | 732-12 | B | 12V | DC-1GHz | 0.15W | 40.52 | 34.01 |
| 881-732-5 | 732-5 | B | 5V | DC-1GHz | 0.15W | 36.54 | 34.99 |
| † 881-732D-12 | 732D-12 | B | 12V | DC-1GHz | 0.15W | 41.43 | 40.30 |
| † 881-732D-5 | 732D-5 | B | 5V | DC-1GHz | 0.15W | 40.26 | 39.13 |
| * 881-732TN-5 | 732TN-5 | B | 5V | DC-1GHz | 0.15W | 49.52 | 47.78 |
| Surface Mount | | | | | | | |
| 881-S172-12 | S172-12 | C | 12V | DC-1GHz | 0.15W | 35.95 | 33.76 |
| 881-S172-5 | S172-5 | C | 5V | DC-1GHz | 0.15W | 37.88 | 33.76 |
| † 881-S172D-12 | S172D-12 | C | 12V | DC-1GHz | 0.15W | 41.42 | 38.99 |
| † 881-S172D-26 | S172D-26 | C | 26V | DC-1GHz | 0.15W | 41.42 | 38.99 |
| † 881-S172D-5 | S172D-5 | C | 5V | DC-1GHz | 0.15W | 40.51 | 37.65 |

RF180 SERIES HIGH ISOLATION LATCHING RELAYS

- Features:**
- RF180 Series DPDT magnetic latching relays are designed to optimize isolation across contacts
 - @4GHz Isolation = 30dB, Insertion Loss = 0.38dB, VSWR = 1.20:1

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Frequency | Contact Res. | Price Each | |
|------------------|-------------------|------|--------------|-----------|--------------|------------|-------|
| | | | | | | 1 | 25 |
| 881-RF180-5 | RF180-5 | D | 5V | DC-6GHz | 0.15 | 53.07 | 50.37 |
| 881-RF180-12 | RF180-12 | D | 12V | DC-6GHz | 0.15 | 55.69 | 53.32 |

RF100/103 SERIES HIGH REPEATABILITY CENTIGRID® RELAYS

- Features:**
- RF100/103 Series DPDT high repeatability broadband relays are designed to provide improved RF signal repeatability over the frequency range.
 - * High Sensitivity

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Frequency | Contact Res. | Price Each | |
|------------------|-------------------|------|--------------|-----------|--------------|------------|-------|
| | | | | | | 1 | 25 |
| * 881-RF103-5 | RF103-5 | E | 5V | DC-4GHz | 0.10 | 56.99 | 50.24 |

RF300/303 SERIES HIGH REPEATABILITY TO-5 RELAYS

- Features:**
- RF300/303 Series DPDT high repeatability broadband relays are designed to provide improved RF signal repeatability over the frequency range.
 - * High Sensitivity

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Frequency | Contact Res. | Price Each | |
|------------------|-------------------|------|--------------|-----------|--------------|------------|-------|
| | | | | | | 1 | 25 |
| 881-RF300-12 | RF300-12 | F | 12V | DC-3GHz | 0.15 | 49.49 | 43.11 |
| 881-RF300-5 | RF300-5 | F | 5V | DC-3GHz | 0.15 | 49.49 | 43.11 |
| * 881-RF303-12 | RF303-12 | F | 12V | DC-3GHz | 0.15 | 59.54 | 52.84 |
| * 881-RF303-5 | RF303-5 | F | 5V | DC-3GHz | 0.15 | 61.64 | 53.68 |

412H/422H SERIES HI-TEMPERATURE, HI-PERFORMANCE TO-5 RELAYS

- Features:**
- 412H/422H Series DPDT high-performance, high-temperature relays are designed for reliable operation in elevated ambient temperatures up to 200°C.

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Frequency | Contact Res. | Price Each | |
|------------------|-------------------|------|--------------|-----------|--------------|------------|-------|
| | | | | | | 1 | 25 |
| 881-412H-12 | 412H-12 | G | 12V | DC-1GHz | 390 | 85.91 | 81.94 |
| 881-412H-5 | 412H-5 | G | 5V | DC-1GHz | 50 | 83.16 | 78.09 |
| 881-422H-12 | 422H-12 | G | 12V | DC-1GHz | 500 | 100.69 | 96.28 |
| 881-422H-26 | 422H-26 | G | 26V | DC-1GHz | 2000 | 100.69 | 96.28 |

S114 SERIES DPDT CENTIGRID® SMT RF RELAYS

- Features:**
- All welded construction
 - High force/mass ratios
 - * With internal diode

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Frequency | Coil Res. (Ω) | Price Each | |
|------------------|-------------------|------|--------------|-----------|---------------|------------|-------|
| | | | | | | 1 | 25 |
| 881-S114-5 | S114-5 | C | 5 V | 50 | - | 40.17 | 35.92 |
| * 881-S114D-5 | S114D-5 | C | 5 V | 50 | - | 41.81 | 39.27 |

S134 SERIES DPDT SENSITIVE CENTIGRID® SMT RF RELAY

- Features:**
- All welded construction
 - High force/mass ratios
 - * High Sensitivity

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Frequency | Coil Res. (Ω) | Price Each | |
|------------------|-------------------|------|--------------|-----------|---------------|------------|-------|
| | | | | | | 1 | 25 |
| * 881-S134D-5 | S134D-5 | H | 5 V | 100 | - | 44.76 | 40.15 |

114 SERIES DPDT CENTRIGRID® RF RELAYS

- Features:**
- All welded construction
 - High force/mass ratios
 - With internal diode

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Coil Res. (Ω) | Screening & Reliability Level | Price Each | |
|--|-------------------|------|--------------|---------------|-------------------------------|------------|-------|
| | | | | | | 1 | 25 |
| T^{TR}® Established Reliability | | | | | | | |
| 881-ER114-26A | ER114-26A | A | 26.5V | 1560 | A | 44.45 | 40.41 |
| * 881-ER114D-5A | ER114D-5A | A | 5V | 50 | A | 38.99 | 37.90 |
| Military Qualified | | | | | | | |
| * 881-J114D-26M | J114D-26M | A | 26.5V | 1560 | M | 54.22 | 48.45 |

134 SERIES DPDT SENSITIVE RF RELAY

- Features:**
- All welded construction
 - High force/mass ratios
 - Internal diode
 - Military Qualified

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Coil Res. (Ω) | Screening & Reliability Level | Price Each | |
|------------------|-------------------|------|--------------|---------------|-------------------------------|------------|-------|
| | | | | | | 1 | 25 |
| 881-J134D-12M | J134D-12M | I | 12V | 800 | M | 61.41 | 54.78 |

411 SERIES SPDT TO-5 RELAYS

- Features:**
- All welded construction
 - High force/mass ratios

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Coil Res. (Ω) | Screening & Reliability Level | Price Each | |
|------------------|-------------------|------|--------------|---------------|-------------------------------|------------|-------|
| | | | | | | 1 | 25 |
| 881-J411-26WL | J411-26WL | J | 26.5V | 2000 | L | 55.44 | 52.75 |

412 SERIES DPDT TO-5 RELAYS - T2R®

- ESTABLISHED RELIABILITY**
- Features:**
- All welded construction
 - High force/mass ratios
 - * With Y ground pin included

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Coil Res. (Ω) | Screening & Reliability Level | Price Each | |
|----------------------|-------------------|------|--------------|---------------|-------------------------------|------------|-------|
| | | | | | | 1 | 25 |
| 881-ER412-12A | ER412-12A | K | 12V | 390 | A | 45.64 | 41.48 |
| 881-ER412-26A | ER412-26A | K | 26.5V | 1560 | A | 45.64 | 41.48 |
| 881-ER412-5A | ER412-5A | K | 5V | 50 | A | 45.64 | 41.48 |
| * 881-ER412YM-26A/SQ | ER412YM-26A/SQ | K | 26.5V | 1560 | A | 48.60 | 44.84 |

432 SERIES DPDT SENSITIVE TO-5 RELAYS

- Features:**
- All welded construction
 - High force/mass ratios

| MOUSER STOCK NO. | Teledyne Part No. | Fig. | Coil Voltage | Coil Res. (Ω) | Screening & Reliability Level | Price Each | |
|--|-------------------|------|--------------|---------------|-------------------------------|------------|-------|
| | | | | | | 1 | 25 |
| T^{TR}® Established Reliability | | | | | | | |
| 881-ER432-12A | ER432-12A | L | 12V | 850 | A | 50.68 | 45.09 |
| Military Qualified | | | | | | | |
| 881-J432-12M | J432-12M | L | 12V | 850 | M | 66.65 | 59.29 |