

## Within Series Adaptor 31\_N-50-0-51/199\_N

### Description

Adaptor jack/jack  
N-precision jack (female) / N-precision jack (female)

Precision adaptor  
For Test & Measurement applications

Interface standard  
Series N-precision - IEC 60169-16\_MIL-STD-348A/402\_CECC 22210



### Technical Data

#### Electrical Data

|                          |                                      |
|--------------------------|--------------------------------------|
| Impedance                | 50 Ω                                 |
| Interface frequency max. | 18 GHz                               |
| VSWR                     | DC - 18 GHz<br>≤ 1.03 + 0.01 f (GHz) |
| Electrical length        | 27.5 mm                              |

#### Mechanical Data

|                   |           |
|-------------------|-----------|
| Number of matings | 500       |
| Weight            | 0.0387 kg |

#### Environmental Data

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Operating temperature                                | -55 °C to 70 °C |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant       |

#### Material Data

Interface - N-precision jack (female)

| Piece Parts    | Material                    | Surface Plating                   |
|----------------|-----------------------------|-----------------------------------|
| Centre contact | Copper Beryllium Alloy      | Gold Plating (Nickel underplated) |
| Outer contact  | Stainless Steel             |                                   |
| Body           | Stainless Steel             |                                   |
| Insulator      | Air Dielectric - Bead - PPH |                                   |

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### Related Documents

|                   |              |
|-------------------|--------------|
| Catalogue drawing | DCA-00013816 |
|-------------------|--------------|

### Ordering Information

|                |                     |
|----------------|---------------------|
| Single package | 31_N-50-0-51/199_NE |
|----------------|---------------------|

### Remarks

Operating specification acc. IEEE Std 287: temperature 13 °C to 33 °C