

## Between Series Adaptor 31\_N-SMA-50-51/1--\_N

### Description

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

For Test & Measurement applications  
Precision adaptor

Interface standards  
Series N-precision - IEC 60169-16\_MIL-STD-348A/402\_CECC 22210  
Series SMA-precision - IEC 60169-15\_MIL-STD-348A/405\_CECC 22110



### Technical Data

#### Electrical Data

|                          |                                             |
|--------------------------|---------------------------------------------|
| Impedance                | 50 $\Omega$                                 |
| Interface frequency max. | 18 GHz                                      |
| VSWR                     | DC - 18 GHz<br>$\leq 1.025 + 0.007 f$ (GHz) |
| Electrical length        | 32.97 mm                                    |

#### Mechanical Data

|                   |           |
|-------------------|-----------|
| Number of matings | 500       |
| Weight            | 0.0331 kg |

#### Environmental Data

|                       |                 |
|-----------------------|-----------------|
| Operating temperature | -55 °C to 70 °C |
| 2011/65/EC (RoHS)     | 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        | Passivated (Plating)              |
| Body           | Stainless Steel        | Passivated (Plating)              |
| Insulator      | PFA / PTFE             |                                   |

Interface - SMA-precision jack (female)

| Piece Parts    | Material               | Surface Plating                   |
|----------------|------------------------|-----------------------------------|
| Centre contact | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Outer contact  | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Body           | Copper Beryllium Alloy |                                   |
| Insulator      |                        |                                   |

### Related Documents

|                   |              |
|-------------------|--------------|
| Catalogue drawing | DCA-00014584 |
|-------------------|--------------|

### Ordering Information

|                |                       |
|----------------|-----------------------|
| Single package | 31_N-SMA-50-51/1--_NE |
|----------------|-----------------------|

### Remarks

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

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