

## Between Series Adaptor 37\_N-SMA-50-51/1--\_N

### Description

Panel adaptor jack/jack, flange mount  
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 Ω                                   |
| Interface frequency max. | 18 GHz                                 |
| VSWR                     | DC - 18 GHz<br>≤ 1.025 + 0.007 f (GHz) |
| Electrical length        | 32.93 mm                               |

#### Mechanical Data

|                   |           |
|-------------------|-----------|
| Number of matings | 500       |
| Weight            | 0.0415 kg |

#### Environmental Data

|                                            |                              |
|--------------------------------------------|------------------------------|
| Operating temperature<br>2011/65/EC (RoHS) | -55 °C to 70 °C<br>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 |                                   |

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 | Gold Plating (Nickel underplated) |
| Insulator      | PFA / PTFE             |                                   |

### Related Documents

|                 |              |
|-----------------|--------------|
| Outline drawing | DOU-00014082 |
|-----------------|--------------|

### Ordering Information

|                |                       |
|----------------|-----------------------|
| Single package | 37_N-SMA-50-51/1--_NE |
|----------------|-----------------------|

### Remarks

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

## Between Series Adaptor 37\_N-SMA-50-51/1--\_N

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