

# HUBER+SUHNER® DATA SHEET

## Between Series Adaptor: 33\_N-SMA-50-51/1--\_N

Rev.: F



### Description

Adaptor plug/jack  
N-precision plug (male) / 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 -



### Technical Data

#### Electrical Data

Impedance	50 $\Omega$
Interface frequency max.	18 GHz
VSWR	DC - 18 GHz $\leq 1.025 + 0.007 f$ (GHz)
Electrical Length	40.94 mm +/- 0.1

#### Mechanical Data

Number of matings	500
Weight	0.0417 kg

#### Environmental Data

Operating Temperature	13 °C to 33 °C
2002/95/EC (RoHS)	compliant

#### Material Data

##### Piece Parts

##### Interface - N-precision plug (male)

Piece Parts	Material
Centre contact	Copper Beryllium Alloy
Outer contact	Stainless Steel
Body	Stainless Steel
Insulator	Air Dielectric - Bead - PPH
Coupling nut	Brass

##### Interface - SMA-precision jack (female)

Centre contact	Copper Beryllium Alloy
Outer contact	Copper Beryllium Alloy
Body	Copper Beryllium Alloy
Insulator	Air Dielectric - Bead - PPH

##### Surface Plating

Gold Plating (Nickel underplated)

SUCOPLATE (R) Plating

Gold Plating (Nickel underplated)

Gold Plating (Nickel underplated)

Gold Plating (Nickel underplated)

### Related Documents

#### Ordering Information

Single package	33_N-SMA-50-51/1--_NE
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#### Remarks

Insertion loss: < 0.06 dB up to 18 GHz