Data Sheet

HUBER+SUHNER Excellence in Connectivity Solutions

Between Series Adaptor 33_SMA-N-50-51/1--_N

Description

Adaptor plug/jack

SMA-precision plug (male) / N-precision jack (female)

Precision adaptor

For Test & Measurement applications

Interface standards

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



Technical Data

Electrical Data

 $\begin{array}{ll} \mbox{Impedance} & \mbox{50} \ \Omega \\ \mbox{Interface frequency max.} & \mbox{18 GHz} \\ \mbox{VSWR} & \mbox{DC - 18 GHz} \end{array}$

≤ 1.025 + 0.007 f (GHz)

Electrical length 35.01 mm

Mechanical Data

Number of matings 500
Weight 0.0351 kg

Environmental Data

Operating temperature $$-55\ ^{\circ}\text{C}$$ to 70 $^{\circ}\text{C}$$ 2011/65/EU (RoHS) compliant

Material Data

Interface - SMA-precision plug (male)

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	
Coupling nut	Bronze	Gold Plating (Nickel underplated)
Gasket	VMQ (Silicone rubber)	

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	Air Dielectric - Bead - PPH	

Related Documents

Catalogue drawing DCA-00014239

Ordering Information

Single package 33_SMA-N-50-51/1--_NE

Remarks

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

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HUBER+SUHNER is certified according to ISO 9001, ISO 14001, ISO/TS 16949 and IRIS

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