### **Data Sheet**

## **HUBER+SUHNER**

# Between Series Adaptor 33\_716-N-50-9/133\_W

#### **Description**

PIM Adaptor plug/jack

7/16 plug (male) / N jack (female)

Interface standards

Series 7/16 - IEC 61169-4\_CECC 22190\_DIN 47223\_VG 95250 Series N - IEC 61169-16\_MIL-STD-348A/304\_CECC 22210

#### **Benefits**

Low passive intermodulation (PIM) adaptor



#### **Technical Data**

**Electrical Data** 

 $\begin{array}{ll} \text{Impedance} & 50 \ \Omega \\ \text{Interface frequency max.} & 7.5 \ \text{GHz} \end{array}$ 

PIM, 3rd order intermodulation distortion (IMD) max. Static -155 dBc at 2x 43 dBm / 20 W carrier

**Mechanical Data** 

Number of matings 500
Weight 0.0967 kg

**Environmental Data** 

Operating temperature -65 °C to 165 °C 2011/65/EU (RoHS - including 2015/863 and 2017/2102) compliant

#### **Material Data**

Interface - 7/16 plug (male)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	SUCOPRO Plating
Outer contact	Brass	SUCOPLATE (R) Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PFA / PTFE	
Coupling nut	Brass	SUCOPLATE (R) Plating

#### Interface - N jack (female)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	SUCOPRO Plating
Outer contact	Brass	SUCOPLATE (R) Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PFA / PTFE	

#### **Related Documents**

Outline drawing DOU-00276937

#### Ordering Information

Single package 33\_716-N-50-9/133\_WE

#### Remarks

3rd order passive intermodulation max.: static typ. -160 dBc

Return loss: typ. > 32 dB up to 4 GHz

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

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