Data Sheet

HUBER+SUHNER

Within Series Adaptor 69_716-50-0-1/133_W

Description

PIM standard plug / jack 7/16 plug (male) / 7/16 jack (female)

Low passive intermodulation (PIM) adaptor For Test & Measurement applications For PIM equipment monitoring and verification

Interface standard

Series 7/16 - IEC 61169-4_CECC 22190_DIN 47223_VG 95250

Technical Data

Electrical Data

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

Intermodulation Static -123 dBc (2 x 43 dBm carrier)

Mechanical Data

Number of matings 500
Weight 0.174 kg

Environmental Data

Operating temperature 2011/65/EU (RoHS - including 2015/863 and 2017/2102) -55 °C to 85 °C compliant

Material Data

Interface - 7/16 plug (male)

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

Interface - 7/16 jack (female)

Piece Parts	Material	Surface Plating
Centre contact	Copper Beryllium Alloy	Gold Plating
Outer contact	Brass	SUCOPLATE (R) Plating
Body	Brass	SUCOPLATE (R) Plating
Insulator	PTFE (Polytetrafluoroethylene)	

Related Documents

Catalogue drawing DCA-00012047

Ordering Information

Single package 69_716-50-0-1/133_WE

Remarks

IM3, 3rd order intermodulation characteristics at 23 °C,

- power level: -80 dBm (+/- 3 dB) at 910 MHz,
- 2 tone carriers: 2 x 43 dBm / 20 W at f1: 935 MHz and f2: 960 MHz

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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