Data Sheet

Within Series Adaptor
69_716-50-0-3/133_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

Impedance	50 Ω
Interface frequency max.	7.5 GHz
Frequency range	0.38 to 2.7 GHz
Intermodulation	Static -153 dBc (2 x 43 dBm carrier)

Mechanical Data

Number of matings	500
Weight	0.174 kg

Environmental Data

Operating temperature	-55 °C to 85 °C
2011/65/EC (RoHS)	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	SUCOPRO 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_716-50-0-3/133_WE

Remarks

IM3, 3rd order intermodulation characteristics at 23 °C,
- power level: -110 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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Waiver: Fact and figures herein are for information only and do not represent any warranty of any kind.