

## Within Series Adaptor 69\_716-50-0-7/133\_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 80 °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	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
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### Ordering Information

Single package	69_716-50-0-7/133_WE
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### Remarks

IM3, 3rd order intermodulation characteristics at 23 °C,  
 - power level: -110 dBm (+/- 3 dB) at 1775 MHz,  
 - 2 tone carriers: 2 x 43 dBm / 20 W at f1: 1821 MHz and f2: 1867 MHz  
 Return loss: typ. > 32 dB up to 4 GHz

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