Data Sheet

Between Series Adaptor
32_QN-716-50-1/113_W

Description

PIM Adaptor plug/plug
QN plug (male) / 7/16 plug (male)

Interface standards
Series QN - QN QLF compliant
Series 7/16 - IEC 61169-4_CECC 22190_DIN 47223_VG 95250

Benefits
Low passive intermodulation (PIM) adaptor
For Test & Measurement applications

Technical Data

Electrical Data

Impedance	50 Ω
Interface frequency max.	7.5 GHz
PIM, 3rd order intermodulation distortion (IMD) max.	Static -155 dBc at 2x 43 dBm / 20 W carrier

Mechanical Data

Number of matings	500
Weight	0.0873 kg

Environmental Data

Operating temperature	-40 °C to 125 °C
2011/65/EU (RoHS - including 2015/863 and 2017/2102)	compliant

Material Data

Interface - QN plug (male)

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

Interface - 7/16 plug (male)

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

Related Documents

Outline drawing	DOU-00013951

Ordering Information

Single package	32_QN-716-50-1/113_WE

Remarks

3rd order passive intermodulation max.: static -165 dBc typ.

Mouser Electronics

Authorized Distributor

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