

## Between Series Adaptor 31\_QN-716-50-1/113\_W

### Description

PIM Adaptor jack/jack  
QN jack (female) / 7/16 jack (female)

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	100
Weight	0.0656 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 jack (female)

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	

Interface - 7/16 jack (female)

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	

### Related Documents

Outline drawing	DOU-00013923
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### Ordering Information

Single package	31_QN-716-50-1/113_WE
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### Remarks

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

# Mouser Electronics

Authorized Distributor

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