# **Data Sheet**



# 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** 

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

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

## Ordering Information

Single package 31\_QN-716-50-1/113\_WE

#### Remarks

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

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