

## 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 |
|----------------|-----------------------|

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### Remarks

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