

## Between Series Adaptor 33\_716-4310-50-1/133\_W

### Description

PIM Adaptor plug/jack  
7/16 plug (male) / 4.3-10 jack (female)

Interface standards  
Series 7/16 - IEC 61169-4\_CECC 22190\_DIN 47223\_VG 95250  
Series 4.3-10 - IEC 61169-54

### Benefits

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



### Technical Data

#### Electrical Data

|                          |             |            |
|--------------------------|-------------|------------|
| Impedance                | 50 $\Omega$ |            |
| Interface frequency max. | 7.5 GHz     |            |
| Frequency range          | 0 to 4 GHz  | 4 to 6 GHz |
| Return loss              | 27 dB       | 25 dB      |

PIM, 3rd order intermodulation distortion (IMD) max. Static -166 dBc at 2x 43 dBm / 20 W carrier

#### Mechanical Data

|                   |          |
|-------------------|----------|
| Number of matings | 500      |
| Weight            | 0.115 kg |

#### Environmental Data

|                                                      |                 |
|------------------------------------------------------|-----------------|
| Operating temperature                                | -55 °C to 90 °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 | SUCOPRO Plating       |
| Outer contact  | Brass                  | SUCOPLATE (R) Plating |
| Body           | Brass                  | SUCOPLATE (R) Plating |
| Insulator      | PFA / PTFE             |                       |
| Coupling nut   | Brass                  |                       |

Interface - 4.3-10 jack (female)

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

### Related Documents

|                 |              |
|-----------------|--------------|
| Outline drawing | DOU-00256775 |
|-----------------|--------------|

### Ordering Information

|                |                         |
|----------------|-------------------------|
| Single package | 33_716-4310-50-1/133_WE |
|----------------|-------------------------|

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