

# HUBER+SUHNER® DATA SHEET

## Between Series Adaptor: 31\_TNC-716-50-1/133\_W

Rev.: E



### Description

Adaptor jack/jack  
TNC jack (female) / 7/16 jack (female)

Low intermodulation adaptors  
For Test & Measurement applications

Interface standards

Series TNC - IEC 60169-17\_MIL-STD-348A/313\_CECC 22200

Series 7/16 - IEC 61169-4\_CECC 22190\_DIN 47223\_VG 95250



### Technical Data

#### Electrical Data

|                                                                  |                                             |
|------------------------------------------------------------------|---------------------------------------------|
| Impedance                                                        | 50 $\Omega$                                 |
| Interface frequency max.                                         | 7.5 GHz                                     |
| PIM, 3 <sup>rd</sup> order intermodulation distortion (IMD) max. | Static -165 dBc at 2x 43 dBm / 20 W carrier |

#### Mechanical Data

|                   |           |
|-------------------|-----------|
| Number of matings | 500       |
| Weight            | 0.0843 kg |

#### Environmental Data

|                       |                  |
|-----------------------|------------------|
| Operating Temperature | -65 °C to 165 °C |
| 2002/95/EC (RoHS)     | compliant        |

#### Material Data

##### Piece Parts

##### Interface - TNC jack (female)

|                |                        |
|----------------|------------------------|
| Centre contact | Copper Beryllium Alloy |
| Outer contact  | Brass                  |
| Body           | Brass                  |
| Insulator      | PFA / PTFE             |

##### Surface Plating

SUCOPRO Plating  
SUCOPLATE (R) Plating  
SUCOPLATE (R) Plating

##### Interface - 7/16 jack (female)

|                |                        |
|----------------|------------------------|
| Centre contact | Copper Beryllium Alloy |
| Outer contact  | Brass                  |
| Body           | Brass                  |
| Insulator      | PFA / PTFE             |

SUCOPRO Plating  
SUCOPLATE (R) Plating  
SUCOPLATE (R) Plating

### Related Documents

|                 |              |
|-----------------|--------------|
| Outline drawing | DOU-00014573 |
|-----------------|--------------|

### Ordering Information

|                |                        |
|----------------|------------------------|
| Single package | 31_TNC-716-50-1/133_WE |
|----------------|------------------------|

HUBER+SUHNER is certified according to ISO 9001 and ISO 14001

#### WAIVER!

It is exclusively in written agreements that we provide our customers with warrants and representations as to the technical contained specifications and/or the fitness for any particular purpose. The facts and figures herein are carefully compiled to the best of our knowledge, but they are intended for general informational purposes only.



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