

## Between Series Adaptor 33\_SMA-TNC-50-1/1--\_N

### Description

Adaptor plug/jack  
SMA plug (male) / TNC jack (female)

#### Interface standards

Series SMA - IEC 60169-15\_MIL-STD-348A/310\_CECC 22110

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



### Technical Data

#### Electrical Data

|                          |                                          |
|--------------------------|------------------------------------------|
| Impedance                | 50 $\Omega$                              |
| Interface frequency max. | 11 GHz                                   |
| VSWR                     | DC - 6 GHz<br>$\leq 1.03 + 0.05 f$ (GHz) |
| Frequency range          | 6 to 11 GHz                              |
| Return loss              | $\geq 17$ dB                             |

#### Mechanical Data

|                   |           |
|-------------------|-----------|
| Number of matings | 500       |
| Weight            | 0.0087 kg |

#### Environmental Data

|                                                      |                  |
|------------------------------------------------------|------------------|
| Operating temperature                                | -65 °C to 165 °C |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant        |

#### Material Data

Interface - SMA plug (male)

| Piece Parts    | Material               | Surface Plating                            |
|----------------|------------------------|--------------------------------------------|
| Centre contact | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Outer contact  | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Body           | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Insulator      | PFA / PTFE             |                                            |
| Coupling nut   | Bronze                 | Gold Plating (Nickel underplated)          |
| Gasket         | VMQ (Silicone rubber)  |                                            |

Interface - TNC jack (female)

| Piece Parts    | Material               | Surface Plating                            |
|----------------|------------------------|--------------------------------------------|
| Centre contact | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Outer contact  | Brass                  | SUCOPLATE (R) Plating                      |
| Body           | Brass                  | SUCOPLATE (R) Plating                      |
| Insulator      | PFA / PTFE             |                                            |

### Related Documents

|                   |              |
|-------------------|--------------|
| Catalogue drawing | DCA-00014228 |
|-------------------|--------------|

### Ordering Information

|                |                        |
|----------------|------------------------|
| Single package | 33_SMA-TNC-50-1/1--_NE |
|----------------|------------------------|