

# HUBER+SUHNER® DATA SHEET

## Between Series Adapter: 33\_PC7-N-50-1/1--\_U

Rev.: D 

### Description

Adaptor plug/jack  
PC 7 plug (male) / N-precision jack (female)

Interface standards  
IEEE STD 287\_ANSI C 16.43



### Technical Data

#### Electrical Data

|                          |                                      |
|--------------------------|--------------------------------------|
| Impedance                | 50 $\Omega$                          |
| Interface frequency max. | 18 GHz                               |
| VSWR                     | DC - 18 GHz<br>$\leq 1.02 + 0.002 f$ |
| Electrical Length        | 29.81 mm +/- 0.1                     |

#### Mechanical Data

|                   |           |
|-------------------|-----------|
| Number of matings | 500       |
| Weight            | 0.0474 kg |

#### Environmental Data

|                       |                 |
|-----------------------|-----------------|
| Operating Temperature | -55 °C to 70 °C |
| 2002/95/EC (RoHS)     | compliant       |

#### Material Data

##### Piece Parts (PC 7)

|                |   |
|----------------|---|
| Centre contact | <b>Material</b><br>Copper Beryllium Alloy |
| Outer contact  | Brass                                     |
| Body           | Brass                                     |
| Insulator      | Air Dielectric - Bead - PPH               |
| Coupling nut   | Brass                                     |

##### Piece Parts (N-precision)

|                |   |
|----------------|---|
| Centre contact | <b>Material</b><br>Copper Beryllium Alloy |
| Outer contact  | Stainless Steel                           |
| Body           | Stainless Steel                           |
| Insulator      | Air Dielectric - Bead - PPH               |

##### Surface Plating

Gold Plating (without Nickel underplating)  
Gold Plating (without Nickel underplating)  
Gold Plating (without Nickel underplating)

SUCOPLATE (R) Plating

##### Surface Plating

Gold Plating (without Nickel underplating)

### Related Documents

#### Ordering Information

|                |                      |
|----------------|----------------------|
| Single package | 33_PC7-N-50-1/1--_UE |
|----------------|----------------------|

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.



**HUBER+SUHNER AG**  
RF Technology  
9100 Herisau, Switzerland  
Phone +41 (0)71 353 41 11  
Fax +41 (0)71 353 45 90  
www.hubersuhner.com

**HUBER+SUHNER – Excellence in Connectivity Solutions**