# Data Sheet

## Between Series Adaptor
## 31_N-716-50-4/133_W

## Description

PIM Adaptor jack/jack
N jack (female) / 7/16 jack (female)



Interface standards
Series N - IEC 61169-16_MIL-STD-348A/304_CECC 22210
Series 7/16 - IEC 61169-4_CECC 22190_DIN 47223_VG 95250

**Benefits**
Low passive intermodulation (PIM) adaptor

## 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 | 0.0861 kg |

### Environmental Data

| | |
|---|---|
| Operating temperature | -65 °C to 165 °C |
| 2011/65/EU (RoHS) | compliant |

### Material Data

Interface - N jack (female)

| 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 | |

Interface - 7/16 jack (female)

| 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 | |

## Related Documents

| | |
|---|---|
| Outline drawing | DOU-00287192 |

## Ordering Information

| | |
|---|---|
| Single package | 31_N-716-50-4/133_WE |

## Remarks

PIM typ. -160 dBc at 2 x 20 W / 43 dBm



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