# Data Sheet

## Within Series Adaptor
## 33_SMA-50-0-52/199_N

## Description

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

For Test & Measurement applications
Quick-screw coupling mechanism, with reduced number of turns

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



## Technical Data

### Electrical Data

| | |
|---|---|
| Impedance | 50 Ω |
| Interface frequency max. | 18 GHz |
| VSWR | DC - 18 GHz<br>≤ 1.05 + 0.008 f (GHz) |

### Mechanical Data

| | |
|---|---|
| Number of matings | 500 |
| Weight | 0.0059 kg |

### Environmental Data

| | |
|---|---|
| Operating temperature | -65 °C to 125 °C |
| 2011/65/EU (RoHS) | compliant |

### Material Data

Interface - SMA plug (male)

| Piece Parts | Material | Surface Plating |
|---|---|---|
| Centre contact | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Outer contact | Stainless Steel | |
| Body | Stainless Steel | |
| Insulator | PFA / PTFE | |
| Coupling nut | Stainless Steel | |

Interface - SMA jack (female)

| Piece Parts | Material | Surface Plating |
|---|---|---|
| Centre contact | Copper Beryllium Alloy | Gold Plating (Nickel underplated) |
| Outer contact | Stainless Steel | |
| Body | Stainless Steel | |
| Insulator | PFA / PTFE | |

## Related Documents

| | |
|---|---|
| Outline drawing | DOU-00013739 |

## Ordering Information

| | |
|---|---|
| Single package | 33_SMA-50-0-52/199_NE |



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.