## Data Sheet

## Between Series Adaptor

33_SMC-BNC-50-2/1--_N
Description
Adaptor plug/jack
SMC plug (male) / BNC jack (female)

Interface standards
Series SMC - IEC 60169-9_MIL-STD-348A/312_CECC 22140
Series BNC - IEC 61169-8_MIL-STD-348A/301_CECC 22120


## Technical Data

## Electrical Data

| Impedance | $50 \Omega$ |  |
| :---: | :---: | :---: |
| Interface frequency max. | 4 GHz |  |
| VSWR | $\begin{aligned} & \mathrm{DC}-2 \mathrm{GHz} \\ & \leq 1.03+0.095 \mathrm{f}(\mathrm{GHz}) \end{aligned}$ |  |
| Frequency range | 2 to 4 GHz |  |
| Return loss | $\geq 20 \mathrm{~dB}$ |  |
| Mechanical Data |  |  |
| Number of matings | 500 |  |
| Weight | 0.0064 kg |  |
| Environmental Data |  |  |
| Operating temperature | $-65{ }^{\circ} \mathrm{C}$ to $165{ }^{\circ} \mathrm{C}$ |  |
| 2011/65/EU (RoHS - including 2015/863 and 2017/2102) | compliant |  |
| Material Data |  |  |
| Interface - SMC plug (male) |  |  |
| Piece Parts | Material | Surface Plating |
| Centre contact | Copper Beryllium Alloy | Gold Plating (without Nickel underplating) |
| Outer contact | Brass | Gold Plating (Nickel underplated) |
| Body | Brass | SUCOPLATE (R) Plating |
| Insulator | PFA / PTFE |  |
| Coupling nut | Brass | Gold Plating (Nickel underplated) |

Interface - BNC 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-00014209

## Ordering Information

Single package
33_SMC-BNC-50-2/1--_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.

