

COAXIAL CONNECTOR, SMA, 50 Ohm, Straight cable plug (male)

11\_SMA-50-4-101/199\_N

Properties

- Suitable for use with Eacon\_4C cable
- Applicable in frequencies up to 18 GHz
- Compliant with MIL-STD-348A/310 interface standard



| Product configuration |        |                  |
|-----------------------|--------|------------------|
| Interface type        | Gender | Standard         |
| SMA                   | plug   | MIL-STD-348A/310 |

| Interface and material data |                                |                                   |
|-----------------------------|--------------------------------|-----------------------------------|
| Piece parts                 | Material                       | Plating                           |
| Centre contact              | Copper Beryllium Alloy         | Gold Plating (Nickel underplated) |
| Outer conductor             | Stainless Steel                |                                   |
| Body                        | Stainless Steel                |                                   |
| Insulator                   | PTFE (Polytetrafluoroethylene) |                                   |
| Coupling nut                | Stainless Steel                |                                   |
| Gasket                      | VMQ (Silicone rubber)          |                                   |

| Electrical data     |        |
|---------------------|--------|
| Impedance           | 50 Ω   |
| Interface frequency | 18 GHz |

| Electrical Data (frequency related) |             |      |
|-------------------------------------|-------------|------|
| Frequency range                     | Return loss | VSWR |
| 0 GHz ... 6 GHz                     | 25 dB       | 1.12 |
| 6.01 GHz ... 18 GHz                 | 23 dB       | 1.15 |

| Mechanical data            |           |
|----------------------------|-----------|
| Weight                     | 0.0126 kg |
| Mating cycles              | 500       |
| Cable entry centre contact | plugged   |
| Cable entry outer contact  | clamped   |

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| Environmental data             |                   |
|--------------------------------|-------------------|
| Operation temperature          | -65 °C ... 165 °C |
| Ingress protection (IP Rating) | Mated / IP67      |

| Ordering Information Table |                        |                |
|----------------------------|------------------------|----------------|
| Item number                | Item description       | Packaging type |
| 84070289                   | 11_SMA-50-4-101/199_NE | Single         |

| Suitable cables |                |
|-----------------|----------------|
| Cable group     | U94 - EACON_4C |
| Suitable cables | EACON_4C       |

| Additional Information |    |
|------------------------|----|
| Only as assembly       | No |

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