



All dimensions are in mm; tolerances according to ISO 2768 m-H

**Interface**

According to

IEC 60169-15; EN 122110; MIL-STD-348

**Documents**

N/A

**Material and plating**

**Connector parts**

- Center conductor
- Outer conductor
- Coupling nut
- Dielectric
- Gasket
- Substrate

**Material**

- Brass
- Brass
- Brass
- PTFE
- Silicone
- Al<sub>2</sub>O<sub>3</sub>

**Plating**

- Gold, min. 1.27  $\mu\text{m}$ , over nickel
- Gold, min. 0.8  $\mu\text{m}$ , over nickel
- Gold, 0.1  $\mu\text{m}$  min.

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RF\_35/09;14/6.2

# Technical Data Sheet

# Rosenberger

SMA

Termination  
Plug 1 Watt

**32S17B-1.0E3**

## Electrical data

Frequency range	DC to 18 GHz
Return loss	≥ 26.4 dB, DC to 1 GHz ≥ 19.1 dB, 1 GHz to 18 GHz
DC Resistance	50 Ω ± 2.5 Ω
Impulse Power (1μs, 1%)	100 Watts at 25°C environment temperature
Power handling	≤ 1 W at 25°C derated linearity to 0 Watts at 125°C

## Mechanical data

Mating cycles	≥ 500
Maximum torque	1.70 Nm
Recommended torque	0.90 Nm
Gauge	0.00 mm to 0.25 mm

## Environmental data

Temperature range	-55 °C to +155 °C
RoHS	compliant

## Packing

Standard	100 pcs in blister
Weight	2.3 g/pce

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Kerstin Herzog	10.02.05	Markus Müller	15.09.16	b00	16-1390	Marion Striegler	15.09.16

  

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