



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
- Al₂O₃

Plating

- Gold, min. 1.27 µm, over nickel
- Gold, min. 0.8 µm, over nickel
- Gold, 0.1 µm min.

Technical Data Sheet

Rosenberger

SMA

Termination
Plug 0.5 Watt

32S17R-0.5E3

Electrical data

Frequency range	DC to 18 GHz
Return loss	≥ 32.2 dB, DC to 2 GHz ≥ 26.4 dB, 2 GHz to 8 GHz ≥ 21.2 dB, 8 GHz to 12.4 GHz ≥ 20.8 dB, 12.4 GHz to 18 GHz
DC Resistance	50 Ω ± 2.5 Ω
Impulse Power (1μs, 1%)	100 Watts at 25°C environment temperature
Power handling	≤ 0.5 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	3.4 g/pce

While the information has been carefully compiled to the best of our knowledge, nothing is intended as representation or warranty on our part and no statement herein shall be construed as recommendation to infringe existing patents. In the effort to improve our products, we reserve the right to make changes judged to be necessary.

Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
Kerstin Herzog	10.02.05	Markus Müller	25.08.16	b00	16-1390	Marion Striegler	25.08.16

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