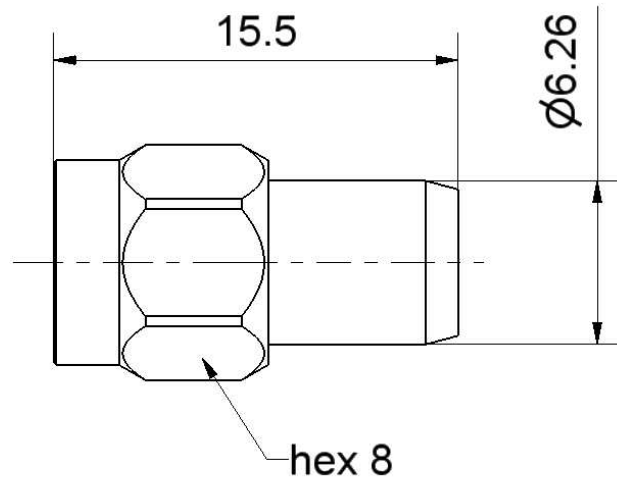


All dimensions are in mm; tolerances according to ISO 2768 m-H

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 1 Watt

32S15R-1.0E3

Electrical data

Frequency range

DC to 18 GHz

Return loss

≥ 28.3 dB, DC to 4 GHz

≥ 26.4 dB, 4 GHz to 6 GHz

≥ 24.3 dB, 6 GHz to 10 GHz

≥ 23.1 dB, 10 GHz to 12.4 GHz

≥ 22.1 dB, 12.4 GHz to 14 GHz

≥ 19.1 dB, 14 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 155°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

14.02.05

Markus Müller

15.09.16

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16-1390

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