



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

Interface

According to IEC 60169-15; EN 122110; MIL-STD-348A, Fig. 310

Documents

N/A

Material and plating

Connector parts

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

Material

- Brass
- Brass
- PTFE
- Brass
- Silicone
- Al₂O₃

Plating

- Gold, min. 1.27 µm, over nickel
- Gold, min. 0.8 µm, over nickel
- Gold, min. 0.15 µm, over chemical nickel

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RF_35/05.10/6.0

SMA
Standard

Termination
Plug 1 Watt

32S15R-1.0E3

Electrical data

Impedance	50 Ω
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
Center contact resistance	≤ 3 mΩ
Outer contact resistance	≤ 2 mΩ
Impulse Power (1μs, 1%)	100 Watts at 25 °C environment temperature
Power handling	≤ 1 W at 25 °C

Mechanical data

Mating cycles	≥ 500
Coupling nut retention	≥ 270 N
Maximum torque	1.70 Nm
Recommended torque	0.80 Nm to 1.10 Nm

Environmental data

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

Packing

Standard	100 pcs in blister
Weight	3.4 g/pce

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Draft	Date	Approved	Date	Rev.	Engineering change number	Name	Date
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