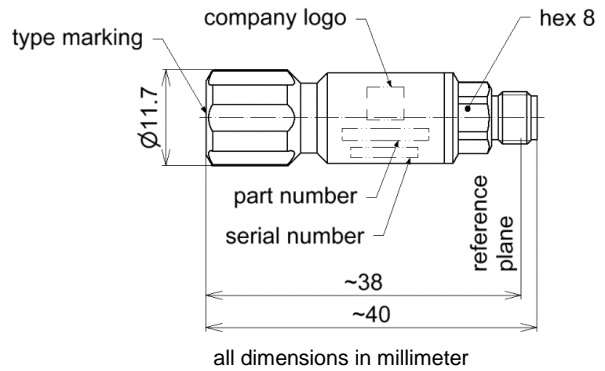


Precision Load || BN 534902R000



**Radio frequency characteristics**

Interface type	2.92 mm socket per IEEE Std 287 <sup>1)</sup>
Frequency range	DC to 44 GHz
Impedance	50 Ω
DC-resistance	50 Ω ± 0.5 Ω
Return loss, min.	40 dB @ DC to 4 GHz 34 dB @ 4 to 10 GHz 30 dB @ 10 to 26.5 GHz 28 dB @ 26.5 to 32 GHz 25 dB @ 32 to 40 GHz 23 dB @ 40 to 44 GHz
Power rating, max.	0.25 W

1) In preparation of the upcoming new version of the IEEE Std. 287 the load is defined for a pin diameter of 0.927 mm. Usage with male connectors with pin diameters of 0.914 mm results in an increase of the reflection factor magnitude of typically 0.01.

**Mechanical characteristics**

Center conductor material / surface finish	CuBe age hardened / gold-plated
Outer conductor material / surface finish	CuBe, copper alloy / gold-plated
Insulation	PS, cross linked polystyrene
Other metallic parts / surface finish	copper alloy / gold-plated
Weight, approx.	0.02 kg
Marking	laser engraving

**Environmental conditions**

<b>Operation</b>	
Ambient temperature range	+18 to +28°C
<b>Storage</b>	
Ambient temperature range	-40 to +70°C
Relative humidity	95 % (non condensing)

**Scope of delivery and accessories**

Scope of delivery	certificate of calibration, calibration data, handling instructions
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