

Datasheet

→ RRJ_WLA_01

11/07/2025



Technical data

WiFi antenna

Type	RRJ_WLA_01
Series	Rontron-R-Juwel
Rubric	Industry 4.0 components
Approvals	CE



→ General data

Design	Round
Operating temperature	-30 °C ... 70 °C
Panel cut-out	Ø 22.3 mm
Mounting depth	27 mm
Front bezel colour	Silver-coloured
Enclosure colour	Silver-coloured
Weight	10 g
Storage temperature	-30 °C ... 70 °C
Degree of protection front	IP65
Standard	IEEE 802.11 ac/a/b/g/n

→ Electrical data

<i>Bandwidth</i>	150 MHz 900 MHz
<i>Frequency</i>	2.45 GHz Center 5.5 GHz Center
<i>Impedance</i>	50 Ω

Additional data

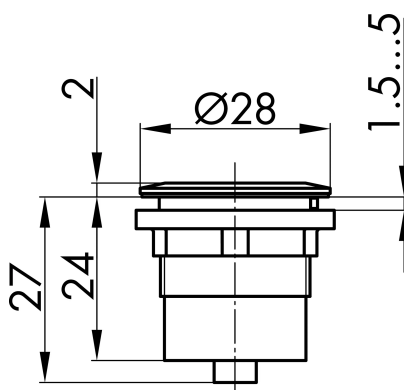
Return Loss	6,5 dB min
Peak Gain	2.09/4.32 dBi (Typ.)

→ Mechanical data

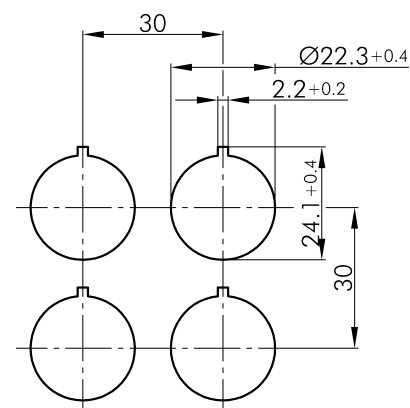
<i>Connection</i>	MCX connector End Launch
<i>Tightening torque connection</i>	2.5 Nm
<i>Mounting position</i>	Any
<i>Mechanical lifetime</i>	$\geq$ 500 mating cycles

Technical drawings

→ Dimensional drawing



→ Cutout dimensions



Awards



Focus Open
Silber 2010



Designpreis
Deutschland
2012

NOMINIERT



Designpreis
Deutschland
2011

NOMINIERT