



## SGL900

Light-duty wireless data, telemetry or ISM collinear with parallel spring

UHF / IoT / ISM 918-928 MHz



The SGL900 light to medium-duty wireless data, telemetry or ISM (Industrial, Scientific and Medical) offers effective performance within our robust tried and tested ZCG quality construction. The SGL900 performance matches that of our medium to heavy-duty SG900 series.

The parallel spring base is suitable for light to medium-duty vehicle installations or fixed position mounting utilising the appropriate mounting hardware.

Mounting hardware, adaptors, connectors and other installation accessories are all available separately.



Construction	Black parallel fibreglass radome, aluminium mount ferrule and cap, stainless steel parallel spring base, external coaxial cable and termination
Frequency range	918-928 MHz - UHF, M2M, IoT, ISM900 & LoRa compatible Suits AUS915-928, AS923, US902-928, AS920-923, AS923-925 and KR920-923
Bandwidth	Full frequency range stated - 10 MHz
VSWR	<1.6:1
Tuning	Factory
Gain	6.2 dBi
Maximum power	30 Watts
Impedance	50 Ohms
Polarisation	Vertical
H Plane	360° omnidirectional
Cable	5 metres RG58 low loss bottom exit from spring base or specify length requirements
Connector	SMA male fitted as standard or specify requirements
Height	800mm
Weight	650grams
Mounting hardware order separate	Clamp Bracket: BBM-SS, BBML-SS, BBMXL-SS, BBKB-B, MRM-SS or ATLM series Bracket: GM1, GM2, GM6 or A-6211
Mounting position recommended	As high on your vehicle/structure as possible using a minimum 16mm hole or appropriate bracket with a 16mm hole
Installation tools required	22mm spanner for nut securing



Light-duty parallel spring base



SMA male fitted as standard

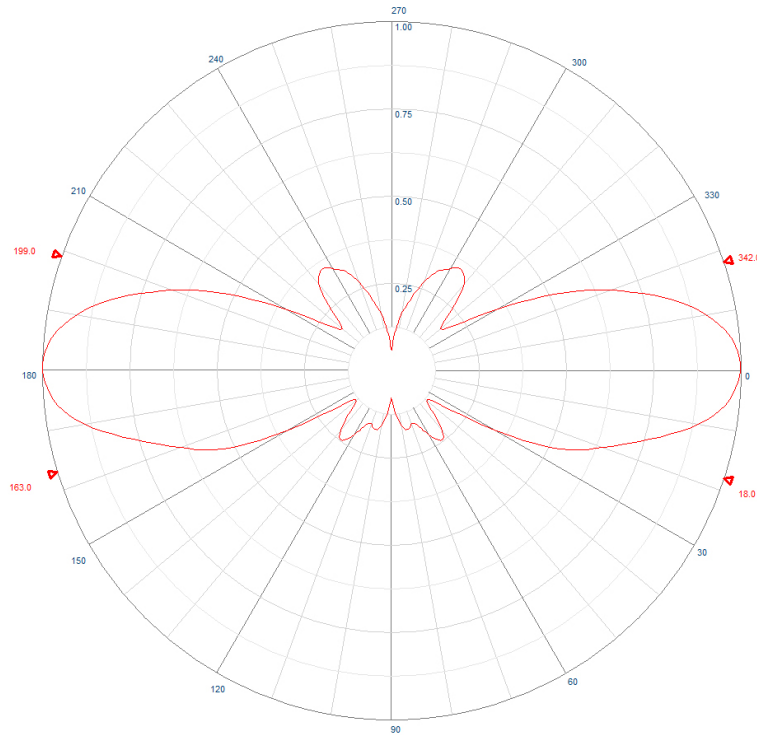


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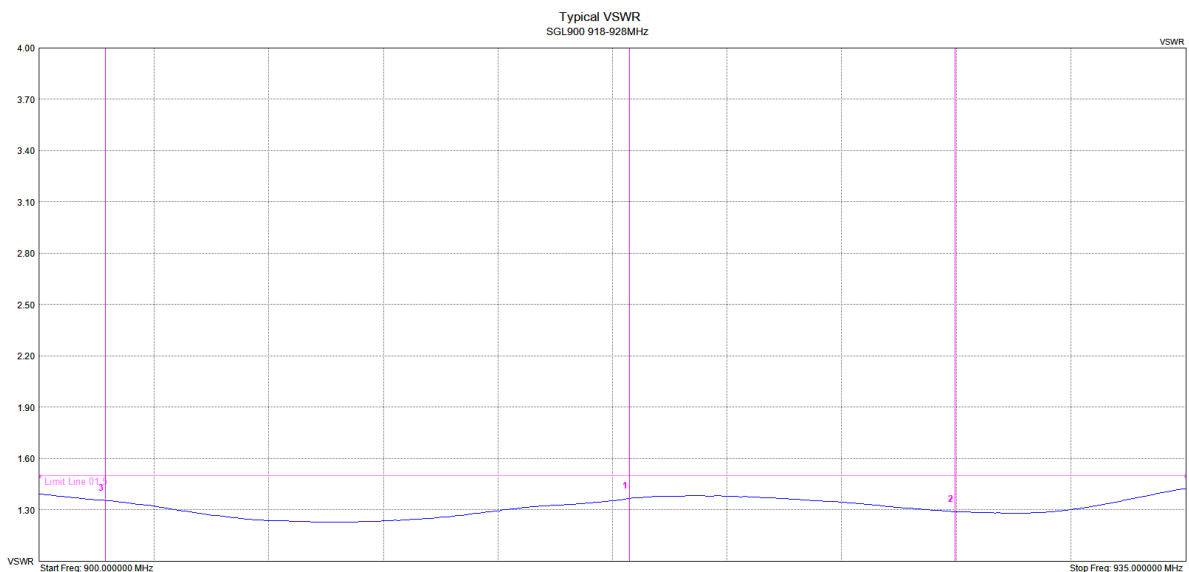


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Example radiation pattern



Mtr	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input type="checkbox"/>	<input type="checkbox"/>	918.918 MHz	1.37VSWR	--	--
2	<input type="checkbox"/>	<input type="checkbox"/>	927.974 MHz	1.29VSWR	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	932.000 MHz	1.30VSWR	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical VSWR





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### Recommended installation accessories



### Typical alternate Connectors

