



SGL3500

Omni-directional parallel spring base collinear IoT/Wireless data/ C-band 5G 3.4-3.6 GHz



The SGL3500 omnidirectional C-band 5G wireless data collinear can be used as a 5G mobile phone improvement in partnership with a CEL-FI GO unit or for wireless data transfer applications.



Mounting hardware, adaptors, coaxial cable and installation accessories are all available separately.

Construction	White fibreglass radome, internal PCB, aluminium mount ferrule, parallel spring base and bottom exit cable
Frequency range	3.4-3.6 GHz - N78, C-band 5G
Bandwidth	Full frequency range stated - 200 MHz
VSWR	<1.8:1
Tuning	Factory
Gain	6.0 dBi
Impedance - nominal	50 Ohms
Maximum power	20 Watts
DC grounding	Yes
Polarisation	Vertical
H Plane	360° omni-directional
E Plane	21°
Connector	SMA male fitted as standard, or specify requirements
Adaptor supplied	SMA female to FME female
Cable	8.0 metres RU240-UF bottom exit from spring or specify length requirements
Height	400mm
Weight	740grams
Projected area	0.007m ²
Wind load at 160kph	0.838kg, 0.008kN
Temperature range	-10°C - +60°C
Mounting hardware order separate	Bracket: GM1, GM6, A-6211, A-4115 or A-4115-2 Bracket mount: BBM-SS, BBML-SS, BBMXL-SS or BBKB-B Magnetic base: MGB or A-2845
Mounting position recommended	Mount as high on your vehicle as possible to ensure true omnidirectional signal performance.
Installation tools required	19mm or 3/8" spanner for securing nut

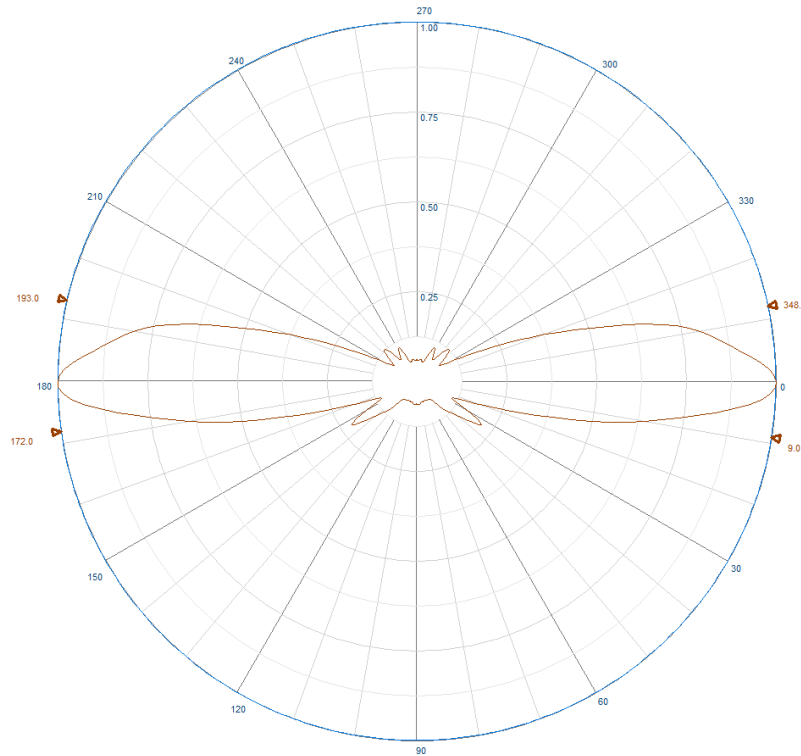


SMA male fitted as standard or specify requirements



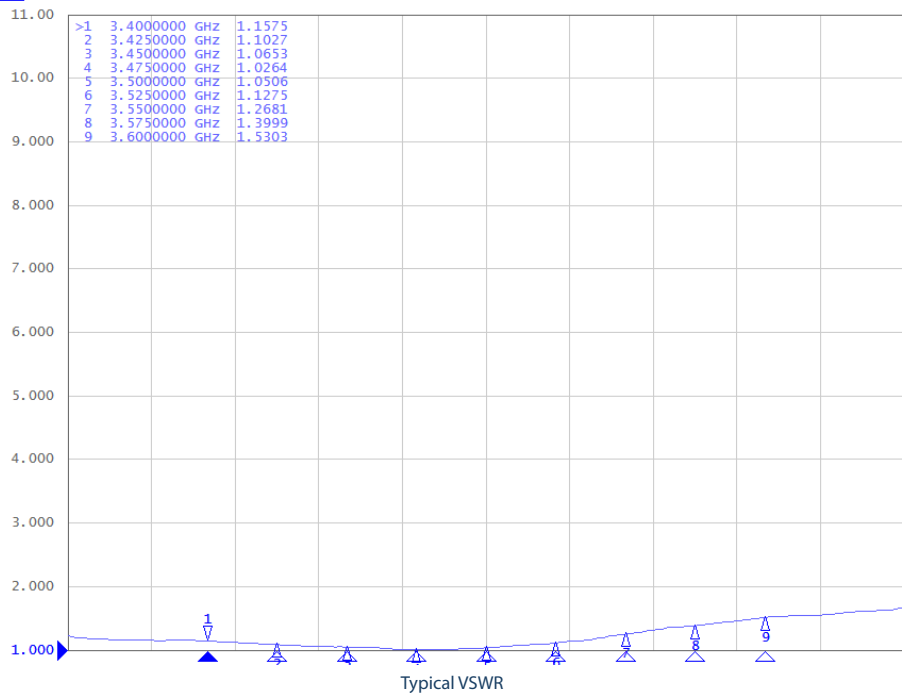
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Example polar radiation pattern

S11 SWR 1.000 / Ref 1.000 [F1 M]



Typical VSWR

Improved Product

Australian
manufactured
in
East Gippsland

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Build
To
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