



SG1885-TPM

Omni-directional wireless data collinear

UHF 1.885-1.905 GHz



The SG1885-TPM omni-directional data link collinear is specifically designed and manufactured for use within the fixed mobile/UHF 1.885-1.905 GHz range.

The SG1885-TPM is ideal for external mounting to a mast, building or alternatively onto a vehicle using a mounting spring.

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

Construction	White fibreglass radome, aluminium mount ferrule and cable assembly
Frequency range	1.885-1.905 GHz - UHF & Wireless broadband compatible
Bandwidth	Full frequency range stated - 20 MHz
VSWR	<1.5:1
Tuning	Factory
Gain	5.14 dBi
Impedance - nominal	50 Ohms
Maximum power	10 Watts
DC grounding	Yes
Polarisation	Vertical
H Plane	360° omnidirectional
Cable	3 metres RG58 low loss, solid core, side exit from ferrule
Connector	TNC male fitted as standard, or specify requirements
Height	500mm
Weight	350grams
Mounting hardware order separate	Bracket: GM1, GM2, GM6 or A-6211 Mount: ATLM series, BBM-SS, MRM-SS or BBKB-B Alternate spring mounting: A-1269, A-1269-14 or A-1270
Mounting position recommended	Mount as high on your structure, mast or tower as possible using the appropriate minimum 13mm hole or mounting hardware with 13mm hole.
Installation tools required	19mm or 3/4" spanner for nut securing



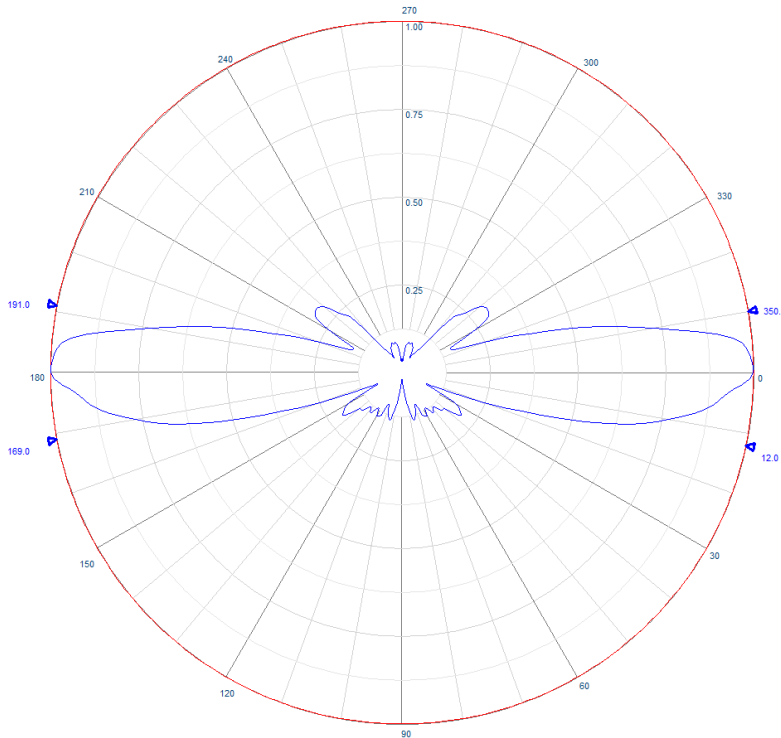
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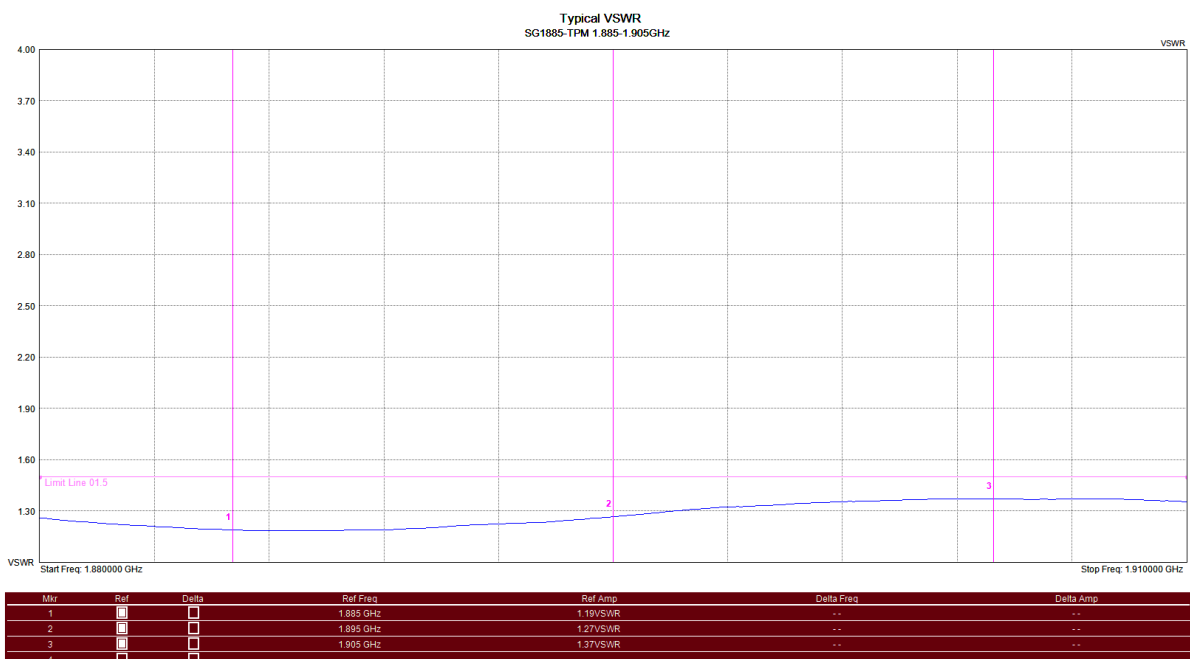
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Example radiation pattern



Typical VSWR

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A-4266 series - aluminium mast mount adaptor

Requires 2 x EB1-SS, 1 x UB3-SS or 2 x RB8 or 1 x UB2-SS


Can be used with CFB series or A-2654-2



GM1 - 304 stainless steel 'L' fascia mount bracket

16mm hole

Requires mounting screws/bolts - not supplied



A-6211 - 304 stainless steel 'L' fascia mount bracket

16mm hole, 200mm offset

Requires mounting screws/bolts - not supplied




MGB

Powdercoated black internal magnet mount base

16mm hole


105mm diameter

includes scratch reduction pad on base



CFB series - Galvanised steel 'J' hockey stick brackets, 1.1 - 2.1 metres.

Requires A-4266 series + 2 x EB1-SS or 1 x UB2-SS



A-2654-2 - Aluminium pole extension 1.1 metres includes pole mounting brackets.

Requires A-4266 + 2 x EB1-SS or 1 x UB2-SS



Alternate Spring base

A-1269 - 'Barrel' stainless steel spring base with 1/2" bolt and spring washer

Requires 19mm spanner



Alternate Spring base

A-1270 - Parallel heavy-duty mount spring, includes base mount bolt

Requires 19mm spanner



Alternate Spring base

A-1269-12 - 'Barrel' stainless steel spring base with threaded stud and split nut

Requires 19mm spanner



Alternate Spring base

A-1269-14 - 'Barrel' stainless steel spring base with 50mm base extension. Suitable for behind bull bar mounting or wing mirror bracket mounting

Requires 19mm spanner

Typical alternate connectors




P/N 7963-7

SMA male termination

Suits mobile/telemetry devices.

Also available in right-angle configuration, alternate gender or reverse polarity



P/N 7933-2

N-type male termination

Suits mobile/telemetry devices

Also available in right-angle configuration or alternate gender