

Section 7

DATA LINK ANTENNAS

Updated 21 February 2011

SG1885TPM Collinear

Frequency
1,885 – 1,905 MHz

Bandwidth
Full Band



The SG1885TPM collinear data link antenna is factory tuned to cover the full frequency range 1,885 to 1,905 MHz. Standing 50 cm tall, the antenna mounts simply into any bracket with 12.7 mm ($\frac{1}{2}$ ") minimum diameter hole.

Construction consists of welded brass internals, a white fibreglass radome and aluminium ferrule. This sturdy and compact design makes the antenna ideal for external mounting on top of a mast, building or vehicle.

3 metres of RG58 low loss cable side exits from the mount ferrule. A TNC Male connector is supplied, not fitted. Other connectors are available.

SPECIFICATIONS	SG1885TPM
Construction	Brass internals, white fibreglass radome and aluminium ferrule
Frequency Range	1,885 to 1,905 MHz full band
VSWR	Less than 1.5:1 across full band
Tuning	Factory
Gain	5.14 dBi
Maximum Power	10 Watts
Impedance (Nom.)	50 Ohms
DC Grounding	Yes
Polarisation	Vertical
H-Plane	360° Omnidirectional
Cable	3 metres of RG58 low loss cable side exits from the ferrule
Connector	TNC Male supplied, not fitted <i>(Other connectors available)</i>
Height	50 cm
Weight	350 grams
Mounting	Secure into any bracket with 12.7 mm ($\frac{1}{2}$ ") minimum diameter hole using the stainless steel bolt and washer at the base



A TNC Male crimp connector is supplied, not fitted

