

Section 7

DATA LINK ANTENNAS

Updated 21 February 2011

DLD900 Stud Mount Data Link Dipole

Frequency
900 – 930 MHz

Bandwidth
Full Band



DLD900 is a stud mount dipole for data link purposes factory tuned to cover the full frequency range 900 to 930 MHz with 2.1 dBi gain.

The flexible UV stabilised black PVC radome and delrin ferrule stands 23 cm tall.

The dipole can be secured into any bracket with a 12.7 mm ($\frac{1}{2}$ ") minimum diameter hole using the stainless steel nut at the base. A variety of mounting brackets are available separately.

No metal ground plane is necessary for the antenna to operate effectively. Potential mount positions therefore include vehicles and numerous fixed locations where no metal exists.

90 cm of RG174 cable bottom exits through the base.

An **SMA Male** connector is fitted to the cable. Other connector options are available upon request.

SPECIFICATIONS	DLD900
Construction	Flexible UV stabilised black PVC radome and cap with delrin mount ferrule
Frequency Range	900 to 930 MHz full band
VSWR	Less than 1.5:1 across full band
Tuning	Factory
Gain	2.1 dBi
Maximum Power	20 Watts
Impedance (Nom.)	50 Ohms
DC Grounding	Yes
Polarisation	Vertical
H-Plane	360° Omnidirectional
Cable	90 cm of RG174 cable bottom exits through the base
Connector	SMA Male fitted to the cable (Other connectors available)
Height	23 cm
Weight	50 grams
Mounting	Secure to any bracket with 12.7 mm ($\frac{1}{2}$ ") minimum diameter hole using the stainless steel nut at the base

