



DLD900 Series

Stud mount Wireless data dipole

Radio Location/M2M/IoT/UHF 900-930 MHz



The DLD900 series of stud mount dipoles are ideal for wireless data link, M2M, IoT or Radio Location applications within the UHF 900-930 MHz range.

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

	DLD900	DLD900-2
Construction	Black PVC radome, black delrin mount ferrule, external cable and termination	
Frequency range	900-930 MHz - UHF, ISM, IoT, M2M & LoRa compatible Suits AU915-928, AS923, US902-928, AS920-923, AS923-925 & KR920-923	
Bandwidth	Full frequency range stated - 30 MHz	
VSWR	<2:1	
Tuning	Factory	
Gain	2.1 dBi	
Impedance - nominal	50 Ohms	
Maximum power	20 Watts	
DC grounding	Yes	
Polarisation	Vertical	
H Plane	360° omni-directional	
Cable	900mm RG316 - bottom exit from ferrule	2.0m RG316 - bottom exit from ferrule
Connector	SMA male fitted as standard - or specify requirements	
Height	230mm	
Weight	50grams	90grams
Mounting hardware order separate	Bracket: GM1, GM2, GM6, A-6211, A-4115 or A-4115-2 Hole: 12.7mm diameter	
Mounting position recommended	Mount as high on your structure, pole or mast as possible using the a hole or appropriate mounting hardware with a minimum 12.7mm hole. Do not mount near any vertical metallic objects.	
Installation tools required	19mm or 3/8" spanner for nut securing	



Black delrin mount ferrule with securing nut and external coaxial cable.



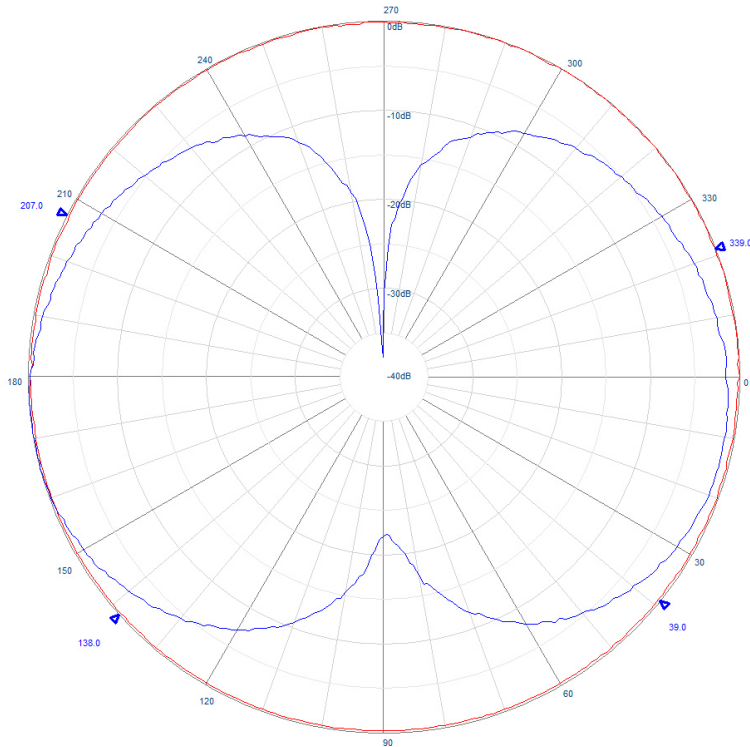
SMA male plug connector fitted to RG316 coaxial cable



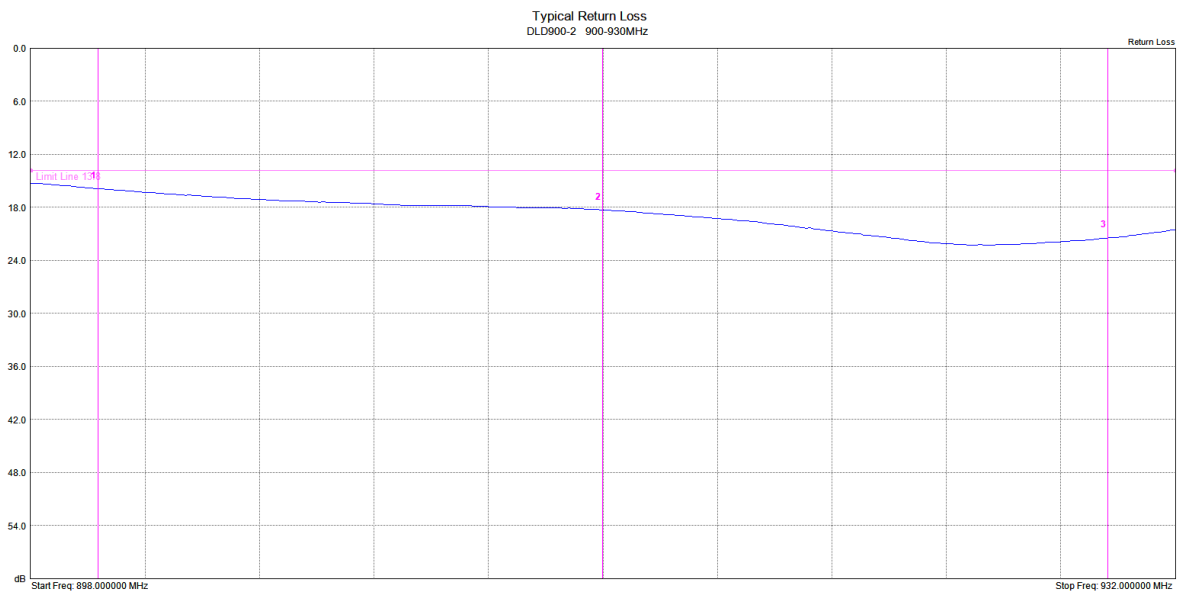
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Example radiation pattern




Mix	Ref	Delta	Ref Freq	Ref Amp	Delta Freq	Delta Amp
1	<input type="checkbox"/>	<input type="checkbox"/>	900.000 MHz	15.89 dB	--	--
2	<input type="checkbox"/>	<input type="checkbox"/>	915.000 MHz	18.31 dB	--	--
3	<input type="checkbox"/>	<input type="checkbox"/>	930.000 MHz	21.44 dB	--	--
4	<input type="checkbox"/>	<input type="checkbox"/>	--	--	--	--

Typical Return Loss


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GM1 - 304 stainless steel 'L' fascia mount bracket
16mm hole
Requires mounting screws/ bolts - not supplied



GM2 - 304 stainless steel 'Z' fascia mount bracket
16mm hole
Requires mounting screws/ bolts - not supplied




MRM-SS
304 stainless steel 'clamp' mounting bracket
20-25mm capability
16mm hole




GM6 - 304 stainless steel 'L' fascia mount bracket
16mm slot
Requires mounting screws/ bolts - not supplied




MRM-SS
304 stainless steel 'clamp' mounting bracket
20-25mm capability
16mm hole



BBM-SS series
304 stainless steel 'wrap around' mounting bracket
50-76mm capability depending on model
16mm hole



A-4115-2 - aluminium 'L' fascia mount bracket
12.7mm hole, 35mm offset
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
Can be fitted during manufacture
includes scratch reduction pad on base

Typical alternate connectors



P/N 7963-10
Reverse gender SMA male crimp termination

Also available in standard gender and opposite gender



P/N 8278
N-type male termination
Suits mobile/telemetry devices

Also available in alternate gender