

The 734 series of antennas have been designed with high quality fixed link applications in mind. They are characterised by outstanding electrical and mechanical performance. The high quality element train offers outstanding reliability and allows for extremely wide band operation. The robust design of the 734 which includes drainage and ventilation capabilities make these antennas ideally suited for use in all environments and weather conditions. A tough corrosion proof integral aluminium cast clamp allows for accurate horizontal or vertical mounting with a lifting eye to ease site installation. The antenna is protected by a radome made of high quality polyurethane to offer excellent weather protection and compliance for in – building or tunnel applications.

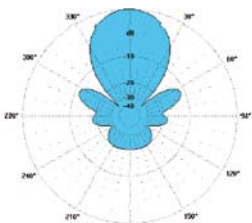


Electrical & mechanical specifications

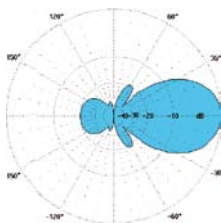
Frequency range	870 - 2500MHz
Input impedance	50Ω
Return loss	>2.5:1
Front to back ratio	30 dB
Maximum input power	250 Watts
Polarisation	Vertical & Horizontal
Forward gain	12dBi
3 dB Beamwidth	E Plane 45° H Plane 51°
Connection	734.02.05.** N socket 734.02.33.** 7/16 socket
Elements	Aluminium Alloy
Radiator feed	Sucoform 141
Antenna base	Sandcast Aluminium Alloy Grade LM25
Radome	Polyurethane Rotational Moulding Grey
Fasteners	Stainless Steel Grade A2-70
Lightning protection	Direct Grounded
Mounting brackets	Hot Dip Galvanised Steel
Typical weight	6 kg (inc. clamp)
Typical length	1.3 m
Typical wind loading @ 45m/s	202 N

Free space radiation patterns

H-Plane



E-Plane



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Mounting accessories

744.8000

Non-conductive tunnel bracing kit