

Band 4 Radio Relay Antenna 4.4-5.0 GHz & 5.725-5.85 GHz

Type 1623

Racal Antennas 0.8 metre dish antenna has been designed for point-to-point radio relay communications in the 4.4-5.5 GHz band (Band 4). When mounted on a Racal Antennas series telescopic mast it provides a low profile both physically and electrically. It maintains excellent performance over the full frequency range with a front to back ratio of better than 25dB and excellent sidelobe control. Polarisation is achieved by mounting the antenna using one of two 40mm sockets on the rear of the antenna. It's robust, lightweight design is ideally suited to harsh military environments.



Electrical Specification	Standard Frequency Range	Extended Frequency Range
Frequency Range	4.4 - 5.0 GHz	5.725 - 5.850GHz
Gain	27.7dBi	26dBi
VSWR	<1.5:1	
Beamwidth (E-Plane)	5.3°	
Beamwidth (H-Plane)	5.7°	
Polarisation	Vertical or Horizontal	
Input Impedance	50 Ω	
Front to Back Ratio	>35dB	
Power Handling	20W	
Input Connector	N Type Female	
Mechanical Specification		
Interface	2 x 40mm sockets at 90°	
Wind Loading	976N @ 45m/s	
Diameter / Depth	800 x 350mm	
Weight	7.3 kg	
Finish	Nato green polyurethane paint (IRR or CARC paint schemes can be supplied)	
Options	Azimuth/elevation rotator tilter units (Manual or DC powered)	

RACAL ANTENNAS LTD

First Avenue, Millbrook Trading Estate, Southampton, SO15 0LJ, United Kingdom
 tel: +44 (0) 2380 705705 • fax: +44 (0) 2380 701122 • sales@racalantennas.com • www.racalantennas.com
 Racal reserve the right to vary in detail from the description and specification in this publication.