

## Heavy duty broadband ground plane 108-156 MHz

## DESCRIPTION

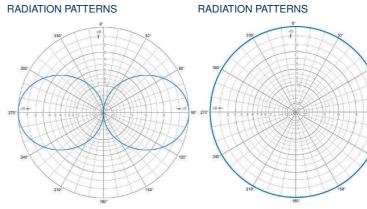
The 438 Series are heavy duty omni antennas consisting a broadband quarter wave radiator and four radial ground planes of an extremely rugged and reliable construction. The quarter wave radiator incorporates a d.c. short to minimise static interference. The antenna is available in a variety of two part lacquer finishes, including IR proof military green. • Former Skymasts brand product.

## SPECIFICATIONS

Electrical	
Frequency	108 - 156 MHz
Max. Input Power	1000 W
Polarisation	Vertical
3 dB Beamwidth, E-Plane	80 °
3 dB Beamwidth, H-Plane	Omnidirectional
Impedance	50 Ω
Gain	0 dBd (2.2 dBi)
VSWR	< 2.0:1
Lightning Protection	Lightning current handling capability: 200 kA According to EN 62305-1 (Test pulse 10/350 µs)



DIAGRAM



E-Plane | 132 MHz

H-Plane | 132 MHz

Mechanical 100 mm dia.x 2 mm wall aluminium alloy Radiating Element(s) grade 6063T6 32mm dia. x 1.5mm wall aluminium alloy grade 6063T6 Ground Plane Matl Connection(s) N(f) Fasteners Stainless steel grade A2-70 Length 950 mm / 37.40 in Polyester Coated White (Other colours External Finish available on request) Wind Load 130 N (160km/h) Weight 4.1 kg / 9.04 lb Mounting Integral bracket suits up to 60 mm dia. pole Nato Stock No. 5985-22-306-9402

## ORDERING

Environmental Survival Wind Speed

Model	Product No.	Description	Frequency
Heavy duty broadband ground plane 108-156 MHz	438.02.05.00		108 - 156 MHz
Heavy duty broadband ground plane 108-156 MHz	438.02.05.00G	Coated NATO green	108 - 156 MHz

280 km/h

X