401 / 403 Series VHF Low Profile Vehicle Antenna

🌀 product data sheet

These antennæ are omni directional, and suited for operation on vehicles in harsh environments. Using a quarter wave slot for radiating, they are short and very robust. They are d.c. grounded, and intended for installation on conductive surfaces. The 401 has a painted grey finish. The 403 is covered by a radome of rugged polypropylene, and is fed via a coaxial cable harness for duplex operation.

electrical and mechanical specifications

Frequency range

Input Impedance Bandwidth VSWR Maximum Input Power Polarisation Forward Gain 3 dB Beamwidth **401** 158 - 162 MHz **403** 158-159 / 166-168 MHz 50 Ohms ± 2.5% <2.0:1 **401** 500 Watts **403** 100 Watts Vertical 0 dBd **E Plane** 90°

Connection

Element Radome (403) Finish (401) Fasteners Insulator Lightning protection Weight Dimensions (mm) Typical Wind loading @ 45m/s

 401
 N socket

 403
 RG400 tail c/w UHF plug

 Diecast Aluminium Alloy LM25

 Grey Polypropylene

 Two Part Grey Lacquer

 Stainless Steel Grade A2-70

 Nylon

 Direct Grounded

 401
 3 kg

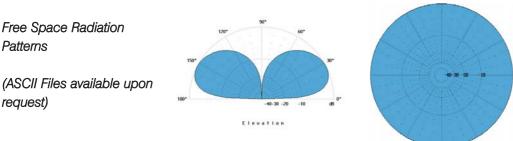
 402
 50 x 145 x 70

 403
 515 x 130 x 115

 401
 38 N
 403



H Plane



E Plane



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