

## Low profile VHF vehicle ant. 150-170MHz

### DESCRIPTION

The 403.02 is a low profile VHF vehicle antenna, ideal for heavy duty transport logistics on buses and trucks. The unique radiator design offers minimal loss of efficiency when compared with a standard quarter-wave antenna. The antenna elements are protected by a tough ABS radome and is fixed to the vehicle with two robust mounting studs, which also provide a cable exit point from the antenna. The VHF element antenna is supplied with on-site tuning capability across a pre-set bandwidth. Cabling and connector configuration options are available.

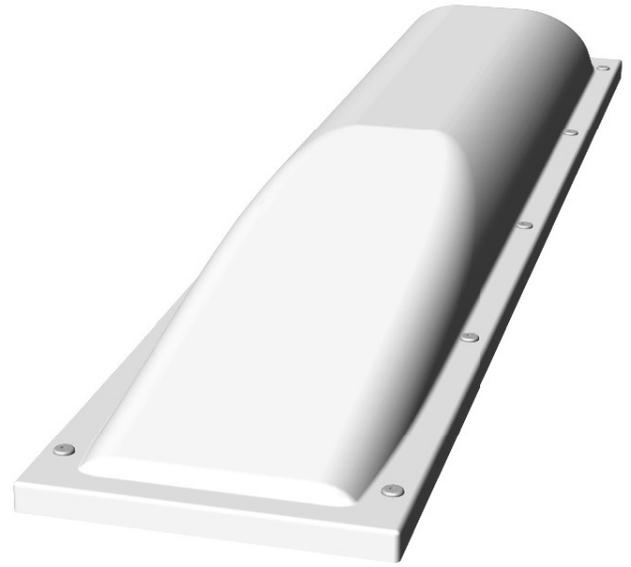
- Former Skymasts brand product.

### SPECIFICATIONS

Electrical	
Frequency	150-170MHz (3-4MHz Tx bandwidth, tuneable)
Max. Input Power	50 W
Polarisation	Vertical
Impedance	50 $\Omega$
VSWR	< 2.0:1
Gain (EIA RS-329-1)	-1.15 dB
Antistatic Protection	All metal parts DC-grounded (Connector shows a DC-short)
Ground Plane Required	1.25m square minimum
Mechanical	
Connection(s)	BNC(m) on 5m RG58 cable
Materials	Aluminium, PTFE, Brass, Nylon
Housing Material	ABS
Colour	Traffic White RAL9016
Dimensions	673 x 144 x 62 mm
Weight	1.5 kg / 3.31 lb
Mounting	2 x 25 mm holes, 517 mm centres
Environmental	
Operating temperature range	-30 to 70 °C
Relative Humidity	5% to 95%RH
Ingress Protection	IP67

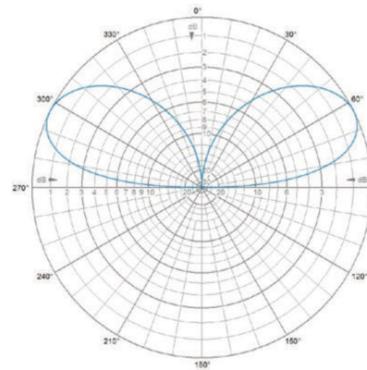
### ORDERING

Model	Product No.	Frequency
Low profile VHF vehicle ant. 150-170MHz	403.02-160	150 - 170 MHz



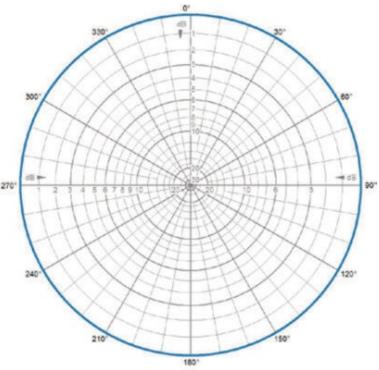
### DIAGRAM

#### RADIATION PATTERNS



E-Plane | 160 MHz

#### RADIATION PATTERNS



H-Plane | 160 MHz

