

PRODUCT DESCRIPTION:

This conical monopole antenna operates over 20 to 125 MHz. Highly optimised element shapes provide smooth patterns over most of the frequency range, while a feedpoint transformer system matches the antenna to 50 Ω.

The antenna can be taken apart for compact storage, and set up by one person in 10 minutes.

PRODUCT FEATURES:

- Compact
- Portable
- Wideband with stable gain and pattern

APPLICATIONS:

- VHF spectrum monitoring
- Signal interception
- Threat warning

SPECIFICATIONS:

Electrical:	
Frequency range	20 – 125 MHz
VSWR	< 3:1 typical
Nominal input impedance	50 Ω
Connector	N-type female
Feed power handling	10 W
Gain	> 0 dBi typical, on ground plane
Elevation 3 dB beamwidth	30°
Azimuth 3 dB beamwidth	360°
Polarisation	Vertical
Length of whip	2.5m
Azimuth ripple	±1 dB
Mechanical:	
Dimensions	2.5 m high, 2 m diameter
Whip length	2.7 m
Packed dimensions	2 m x 1 m x 0.2 m
Installed height	2.5 m
Total mass	40 kg
Colour	Olive drab, others by request
Mounting method	Ground plane
Ground plane requirement	5 m ² , optional ground screen
Environmental:	
Wind survival	160 km/h
Effective wind area	0.4 m ²
Temperature (operational)	-30 °C to +55 °C
Temperature (storage)	-50 °C to +70 °C
Operational rain proof	Yes
Water and dust resistance	IP 55
Lightning and ESD protection	Yes
Exposed materials	Stainless steel, plastic, aluminium (painted)

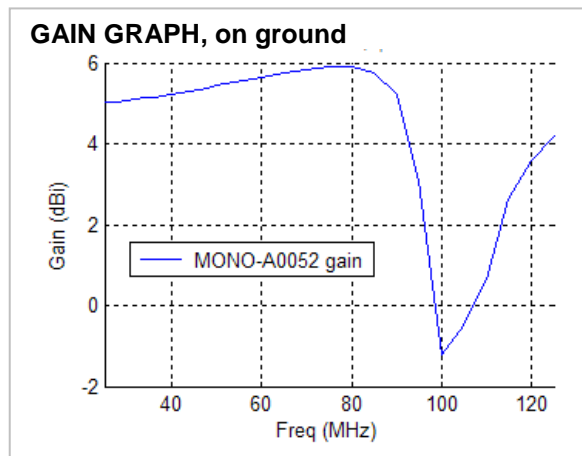
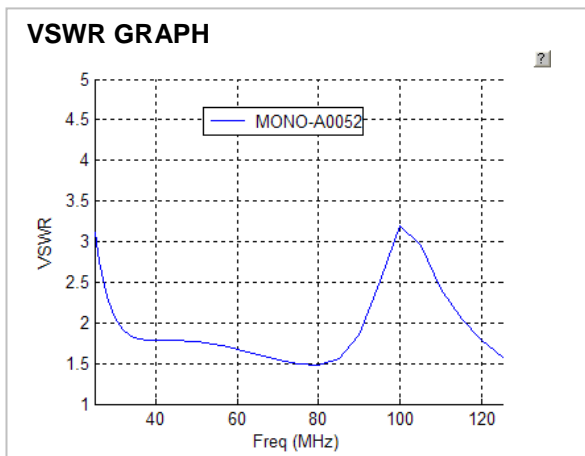
VHF Conical

20 – 125 MHz

Product Code: MONO-A0052

VERSION: 1.1

ELECTRICAL PERFORMANCE CURVES:



PATTERNS:

