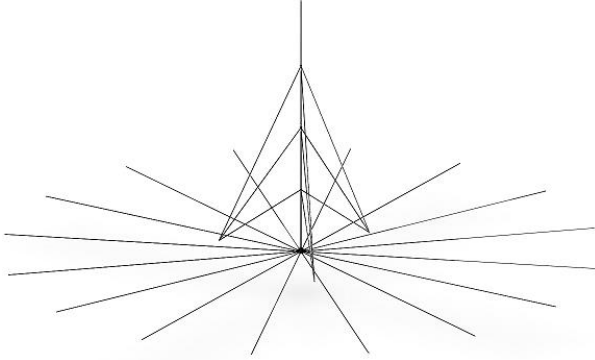


# HF Passive Monopole

1 – 30 MHz

Product Code: MONO-A0076

## SPECIFICATIONS:



<b>Electrical:</b>	
Frequency range	1 – 30 MHz
Polarisation	Vertical
Gain	See graph
Nominal input impedance	50 Ω
Connector	N-type female
<b>Mechanical:</b>	
Length	9 m
Total mass	< 30 kg excluding packaging
Base dimensions	300 mm x 300 mm
Groundplane diameter	20000 mm
Mounting method	Free-standing on the ground. Can be bolted to a concrete plinth
<b>Environmental: designed to meet the following specifications</b>	
Wind survival	120 km/h (5 mm ice) (when fitted with guy ropes)
Water ingress rating	IP66
Temperature	-40 °C to +55 °C (operation)
Shock and vibration	Designed for MIL-STD 810E 516.4: vibration category 8, shock 40 g during transport

## PRODUCT FEATURES:

- 1 to 30 MHz frequency range
- Rugged
- Quick deployment time
- Self-contained groundplane
- Glass fibre insulated radiator

## APPLICATIONS:

- HF DF array element
- Linear or circular arrays
- SSL arrays

## PRODUCT DESCRIPTION:

The HF passive whip monopole antenna is designed for deployment on open ground or permanent installation and includes a deployable groundplane. The antenna's radiation pattern is suitable for medium to long range HF monitoring.

It can be deployed as part of either a linear or circular array and is quickly and easily deployed and stowed. The product can be rapidly deployed by two people within 30 minutes but can also be bolted to a plinth for semi-permanent installations.

The antenna is intended for use in constructing DF interferometer arrays consisting of a number of MONO-A0076 antennas.

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Product Code: MONO-A0076

VERSION: 1.5

GAIN:

