

# Handheld Direction Finding Antenna

6 GHz – 53 GHz

Product Code: DF-A0318

VERSION: 1.0



## SPECIFICATIONS:

<b>Electrical:</b>	
Antenna type	Horn in custom hand-held enclosure
Frequency range	6 - 53 GHz
Nominal input impedance	50 $\Omega$
VSWR	< 3.5:1
Polarisation	Linear
Antenna gain	Variable with frequency 4.5 dBi increasing to 11 dBi at 53 GHz
Beamwidth	Variable with frequency 70° decreasing to 20° at 53 GHz
Connector	2.4 mm (F)
<b>Mechanical:</b>	
Form factor	Handheld
Dimensions (l x w x d)	*180 mm x 80 mm x 210 mm
Mass, excluding carry case	*<0.5 kg
<b>Environmental: designed to meet the following specifications</b>	
Operating temperature range	-30 °C to +55 °C
Storage temperature	-30 °C to +71 °C
Ingress protection	IP56
MTBF	> 50,000 h

\*Note: Final weights and dimensions to be confirmed

## PRODUCT DESCRIPTION:

The DF-A0318 is a handheld wideband antenna for direction finding and transmitter hunting in the 6 - 53 GHz band.

The antenna is lightweight, compact and rugged for everyday use. A tripod interface is provided to make it easy for the antenna to be used in a static application. The antenna requires no external power or other additional connections, other than a single RF cable

An optional ruggedised carry case is available on request.

## MECHANICAL FEATURES:

- Compact and lightweight
- Robust construction
- Waterproof

## ELECTRICAL FEATURES:

- Very wideband performance in a compact size
- Linear polarisation
- High gain