

# Handheld Direction Finding Antenna

4 GHz – 40 GHz

Product Code: DF-A0305

VERSION: 1.0



## SPECIFICATIONS:

<b>Product code:</b>	
DF-A0305	4 – 40 GHz
<b>Electrical:</b>	
Antenna type	Horn
Frequency range	4 – 40 GHz
Nominal input impedance	50 $\Omega$
VSWR	< 2:1
Polarisation	Linear
Antenna gain	Variable with frequency 6 dBi increasing to 16 dBi at 40 GHz
Beamwidth	Variable with frequency 60° decreasing to 10° at 40 GHz
Connector	SMA (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-A0305 is a handheld wideband antenna for direction finding and transmitter hunting in the 4 - 40 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 practical size
- Linear polarisation
- High gain