

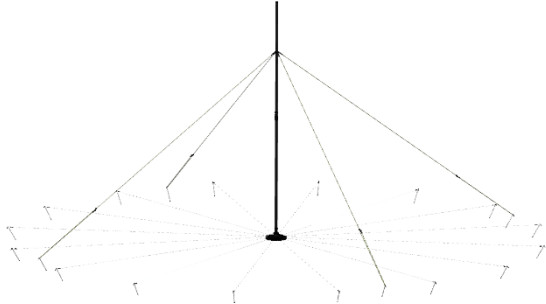
Tactical HF Active Monopole

9 kHz – 30 MHz

Product Code: MONO-A0084

VERSION: 1.1

SPECIFICATIONS:



*Deconstructed MONO-A0076

Product codes:	
MONO-A0084	Active version
MONO-A0084-01	Passive version
Electrical (Active and Passive):	
Frequency range	9 kHz – 30 MHz
Polarisation	Vertical
Nominal input impedance	50 Ω
Connectors	N-type female
Active only:	
Sensitivity in 1 Hz bandwidth	Better than 1 μV/m
OP1	24 dBm
OIP2	43 dBm
OIP3	33 dBm
Input voltage	12.5 – 15.5 VDC
DC input current (max)	400 mA
Mechanical (Active and Passive):	
Length	4.5 m
Total mass	7 kg excluding packaging
Base dimensions	300 mm x 300 mm
Groundplane diameter	10000 mm
Mounting method	Free-standing on the ground with guy ropes; Can be bolted to a concrete plinth
Environmental: designed to meet the following specifications	
Wind survival	120 km/h (without ice)
Water ingress rating	IP65
Temperature	-40 °C to +70 °C

PRODUCT FEATURES:

- 9 kHz to 30 MHz frequency range
- Rugged
- Quick deployment time
- Self-contained groundplane
- Glass fibre insulated radiator
- Lightning induced surge and static protection
- Passive bypass mode option

APPLICATIONS:

- HF monitoring

PRODUCT DESCRIPTION:

The HF whip monopole antenna is designed for deployment on open ground or permanent installation and includes a deployable groundplane. The antennas' radiation pattern is suitable for medium to long range HF monitoring. The active version of this antenna uses an operational amplifier as the active component of the antenna which operates from 9 kHz to 30 MHz.

The active version features a passive bypass mode which comes into operation when the antenna is powered down. In this mode, the active matching and amplification circuitry is bypassed, and the antenna operates as a completely passive receiving antenna.

RELATED PRODUCTS:

- MONO-A0071: 2.9 m version of this antenna
- MONO-A0076: Passive, 9 m version of this antenna
- Optional extra: MISC-A0022 inline DC bias supply

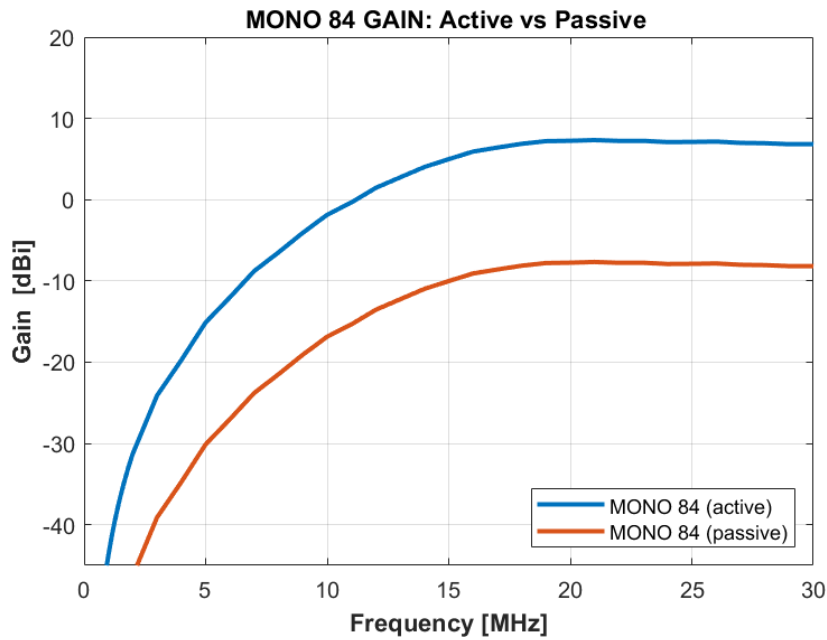
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Estimated Gain:



Estimated VSWR:

