

UHF225450HH

UHF manpack helical whip, monopole, 0.14 m, 225–450 MHz

Tactical Antennas: Handheld and Manpack



Application

Short broadband flexible rubber whip antenna for use on handheld transceivers.

Built-in matching network ensures good VSWR and gain across the entire 225 to 450MHz band.

The antenna is optimised for use on a small "walkie-talkie" that is held in the hand, or on the body with a hands free kit.

Electrical Specifications

Frequency Range	225 - 450 MHz
VSWR	< 3.5, see diagram overleaf
Nominal Impedance	50 Ω
Power Rating	5 W
Gain	- 6..+ 1 dBi, see diagram, overleaf
Polarisation	Vertical
Connector	to be specified

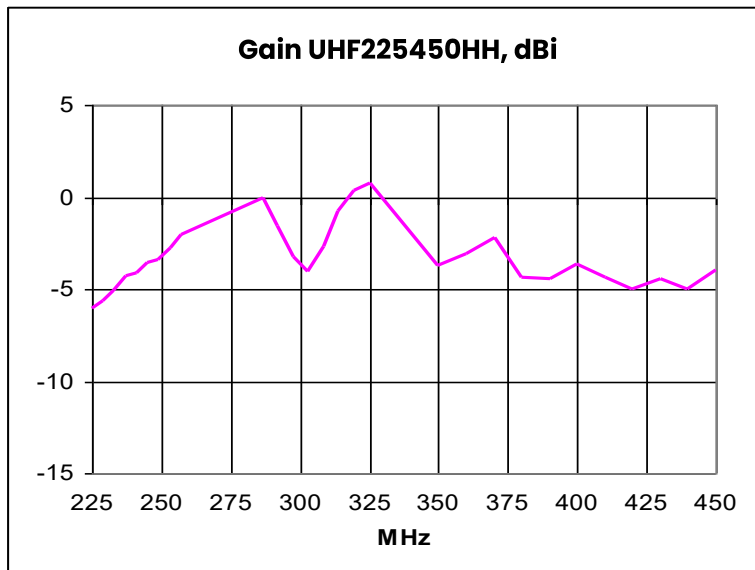
Mechanical Specifications

May vary slightly with different connectors

Design	Wideband monopole flexible rubber whip with built in matching network
Length	145 mm
Diameter	Top 7 mm Matching network 14 mm
Weight	50 g
Finish	Black
Temperature Range	- 55°C to + 71°C

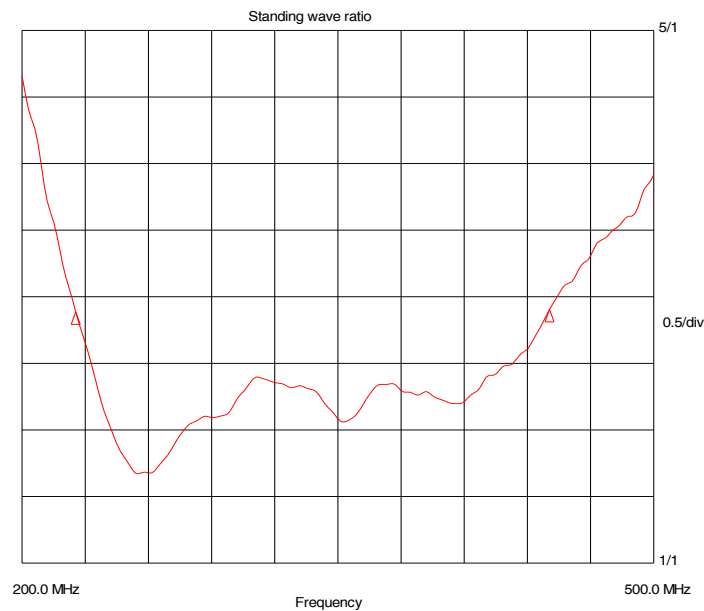
Gain

Measured maximum gain for UHF225450HH. Gain in horizontal axis is approximately 3dB lower around 350MHz. Measured on radio chassis in free space.



VSWR

Measured on radio chassis being held in the hand in front of face.



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All specifications are subject to change without notice
The information contained herein is for reference only and does not constitute a warranty of performance

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sales@eylex.com.au
www.eylex.com.au

