



VHF-UHF-SHF Antenna Galvanic Isolator

Suitable for SDR or analogue radios

User manual. Rev 01



VHF-UHF-SHF Antenna Galvanic Isolator.
Suitable for SDR or analogue radios

The broadband antenna isolator allows isolate the antenna galvanically from the receiver; only magnetic signal is coupling from the antenna.

Ground loops in SDR radios induced by the antenna feeder is very common if the computer ground is connected to the radio system.

This type of ground loop issue can be solved by using galvanic isolation between the receiver and the antenna cable. In most receiver installations the antenna coaxial feeder is connected to mains earth at the receiver side.

This can cause mains noise to enter into the receiver because either the feeder mains earth line is the return path for the antenna or noise being coupled to the antenna and radiated.

The Antenna Isolator can achieve up to 40dB noise rejection, depending on installation.

Frequency: 20MHz - 1300MHz

Nominal impedance: 50Ω

Impedance ratio: 1:1

Power rating: 0.25Watts (max)

DC current: 30mA (max)

Insertion Loss: 100MHz - 350MHz
 <1dB (Typ.)
 1.6dB (Max.)

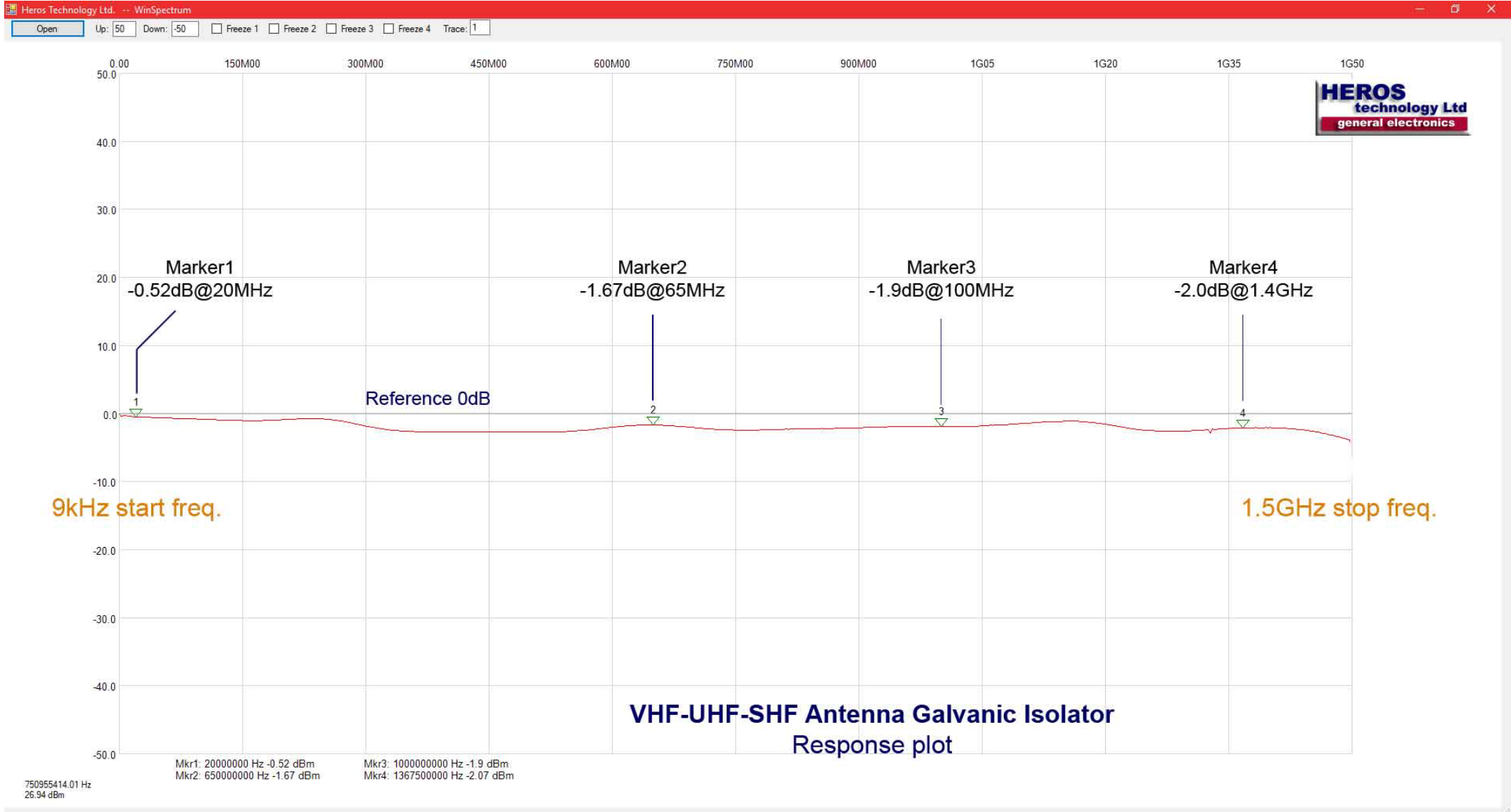
 20MHz - 1300MHz
 <1dB (Typ.)
 2.3dB (Max.)

- Connectors: BNC

- Enclosure Size: 55mmx37mmx39mm(2.16x1.45x1.53in)

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9kHz - 1.5GHz Response plot



NOTES:

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