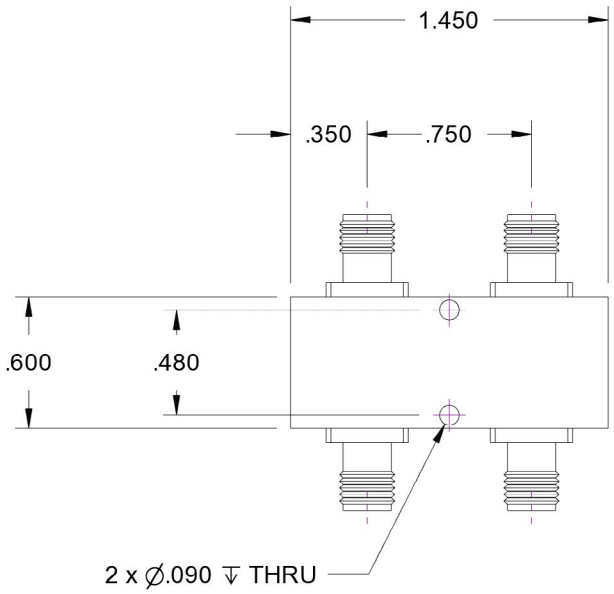
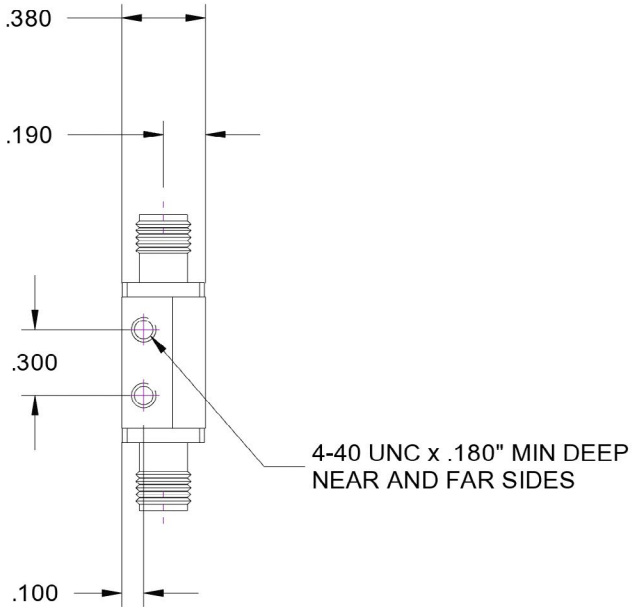
QMC-CRYOHCOUPLER-03NM
QuantumMicrowave.com

Specifications:

- 3 dB Non-Magnetic Cryogenic Hybrid Coupler
- Frequency: 5 to 10 GHz
- Coupling Value: 3 dB
- Phase Shift: 90 degrees
- Amplitude Balance: 0.3 dB typical
- Phase Balance: +/- 1.5 degrees
- Insertion Loss: 0.5 dB max
- *Excludes loss due to coupling factor
- Return Loss: 26 dB
- Isolation: 30 dB
- Machined OFHC block, gold plated
- SMA connectors
- Stackable mechanical design
- Operation Temp: 10 mK
- Comes without termination
- *For non-magnetic termination use P/N: QMC-CRYOTERM-DC18NM
- *For standard termination use P/N: QMC-CRYOTERM-0412





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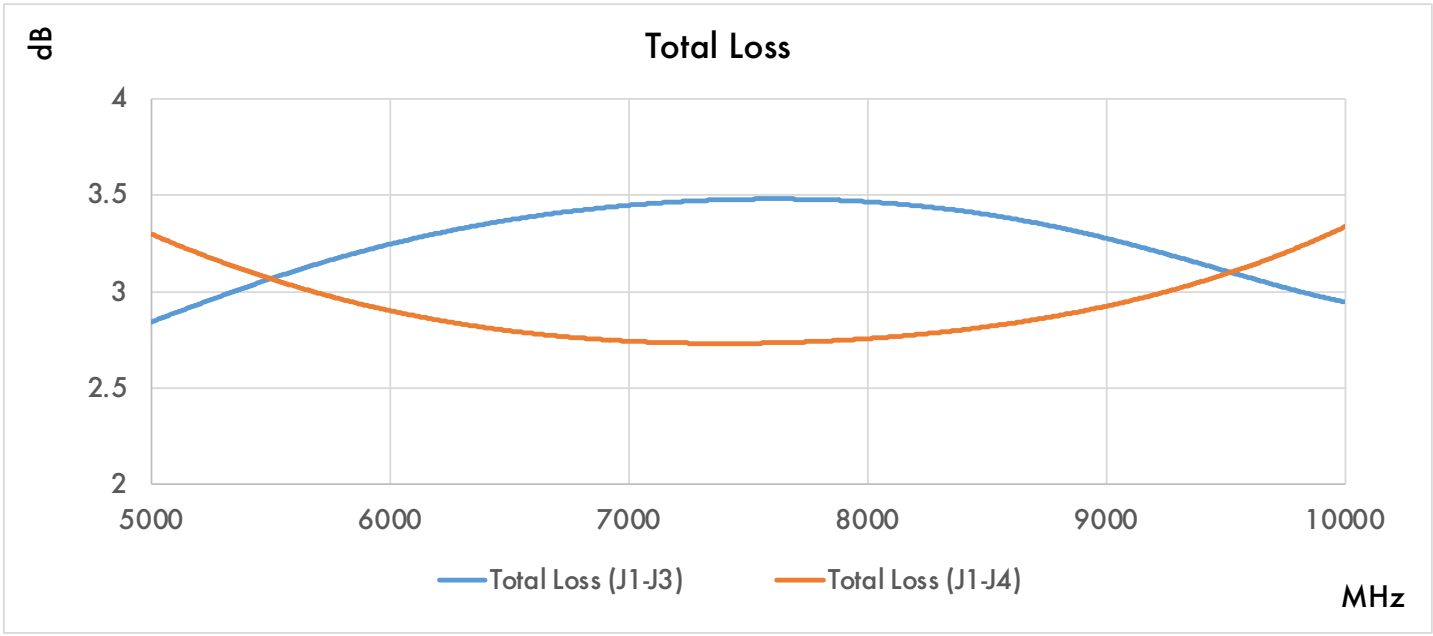
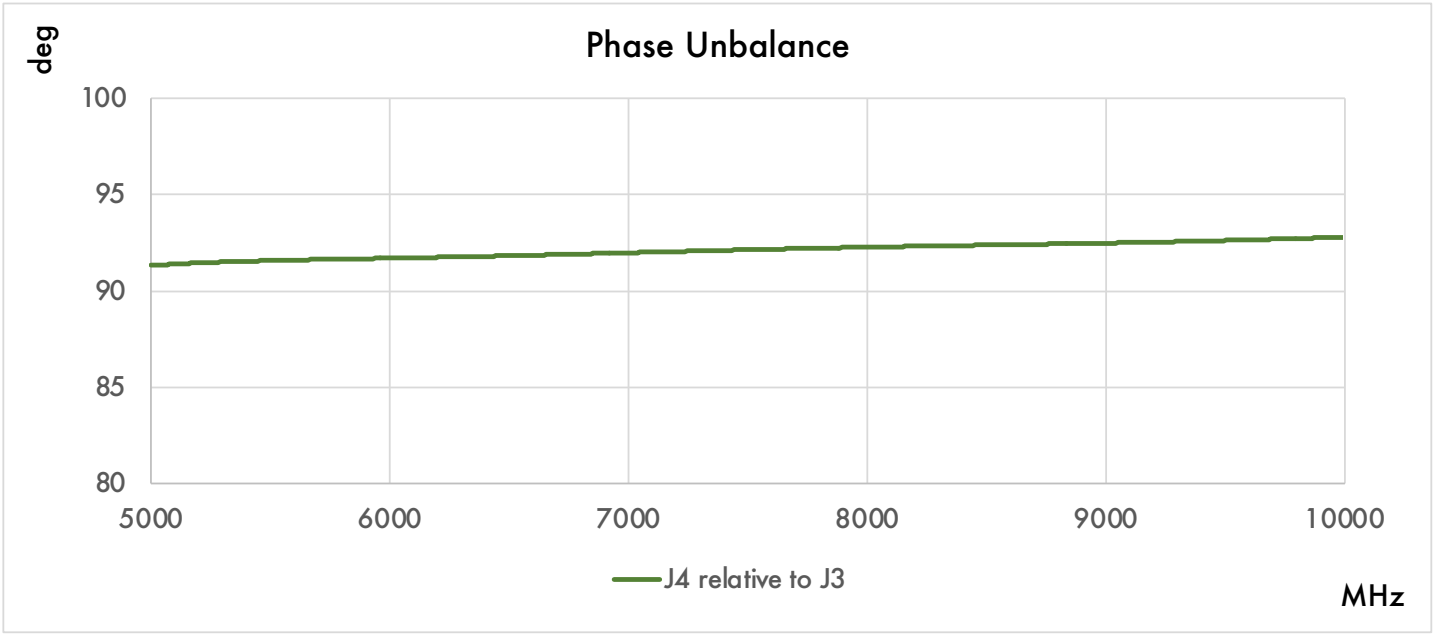
Measured Data (typical response)





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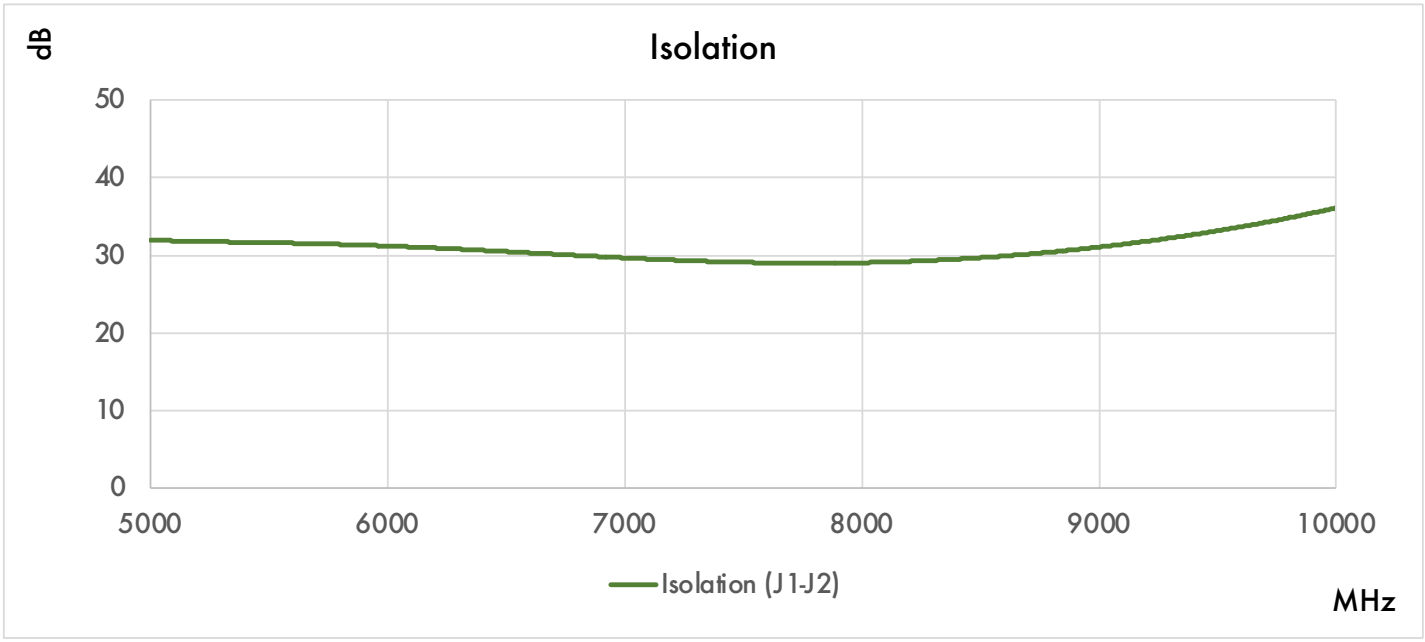

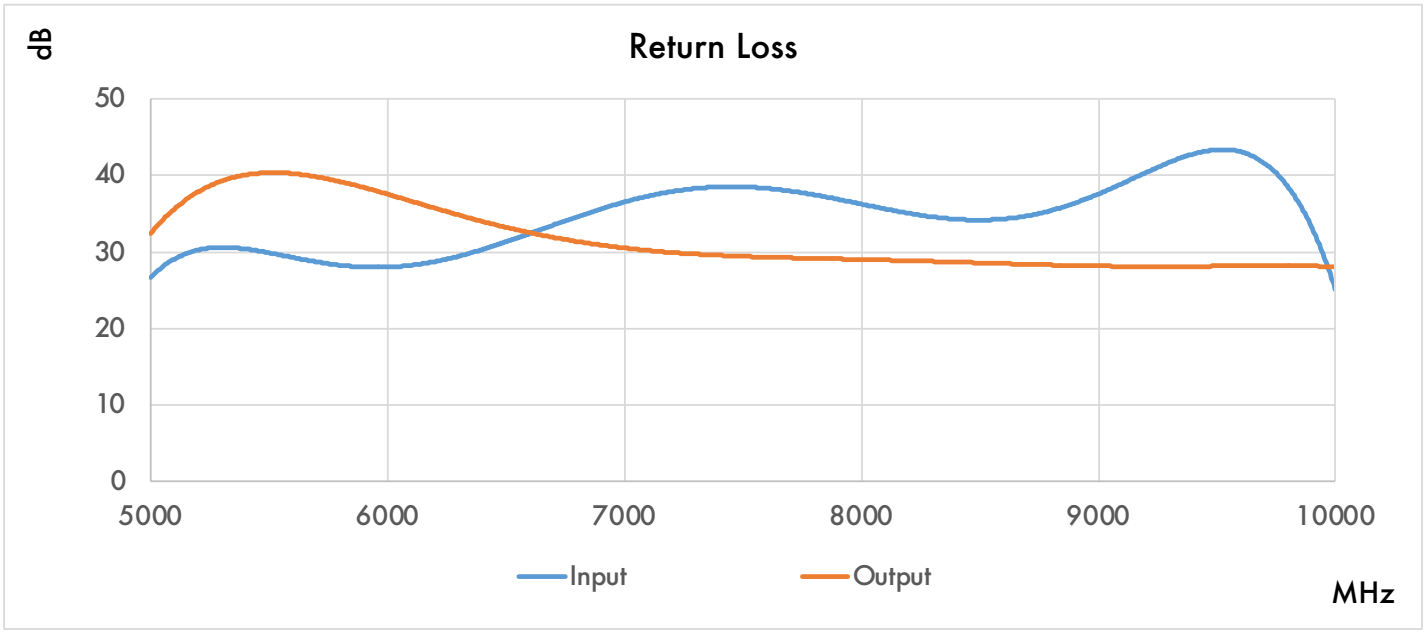

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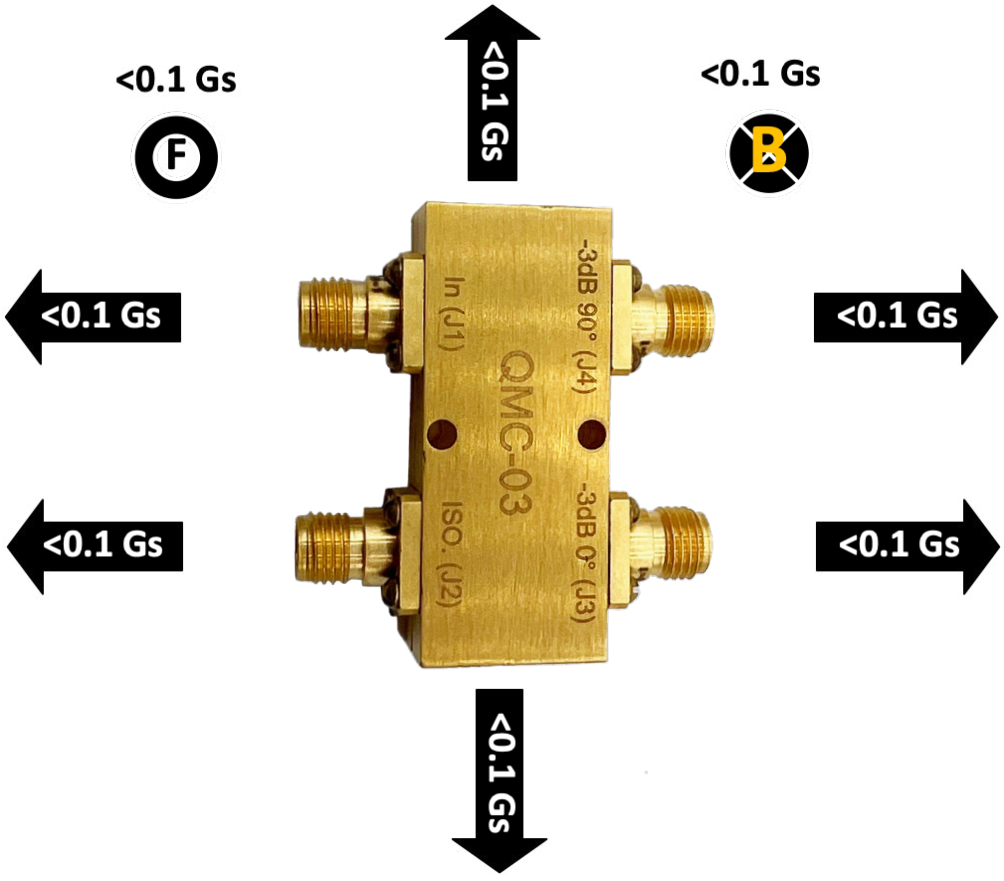
Magnetism Test information:

- Before the measurement, the devices are put in proximity (below 1cm) to a magnet for about 5 seconds, to induce magnetization of eventual magnetic material.
- The magnetic field is measured over the surface of the device and along different axis. The distance between probe and device is below 1cm. The values reported in the picture is the maximum detected.
- All the measurements are in Gauss [Gs]
- The measurements have been done with a TD8620 magnetometer. Sensitivity is 0.1 Gs.
- The values are reported on the arrow corresponding to the direction of the magnetic field

PN: QMC-CRYOHCOUPLER-03NM

Decription: 3 dB Cryogenic Non-Magnetic Hybrid Coupler

Comments: The field of the device is below the 0.1Gs



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