



QMC-CLCE-500AMF

QuantumMicrowave.com

Integrated LC Infrared Filter

Specifications:

- Insertion loss 1 dB up to 400 MHz
- Cutoff 3 dB @ 500 MHz, > 35 dB at 750 MHz
- Based on integrated LTCC filter with magnetically loaded dielectric absorber Eccosorb CR 124
- Impedance: 50 Ω
- Capable of operation at 10 mK
- Connector 1: SMA Male
- Connector 2: SMA Female
- Housing Gold Plated OFHC Copper



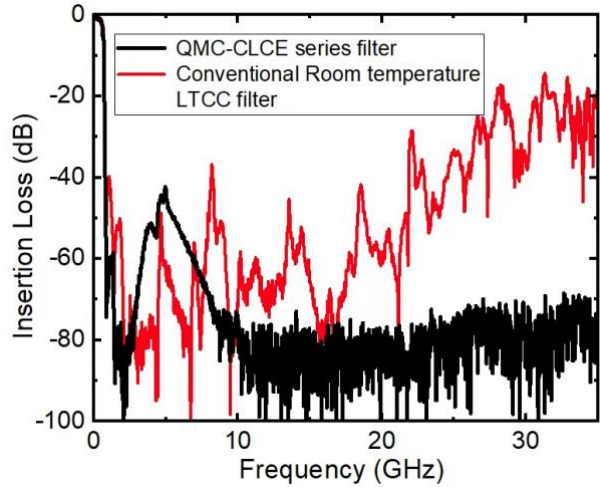
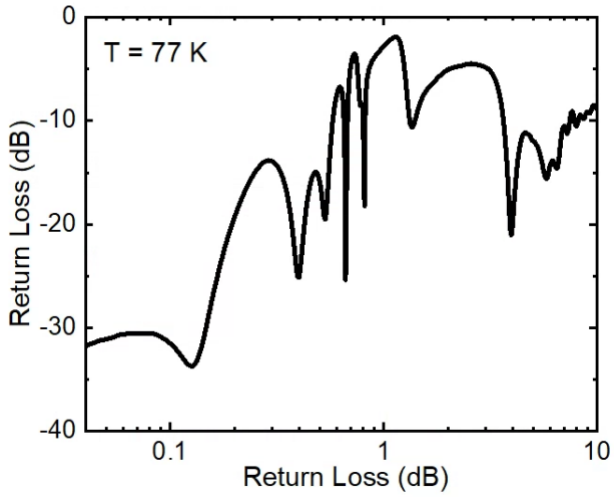
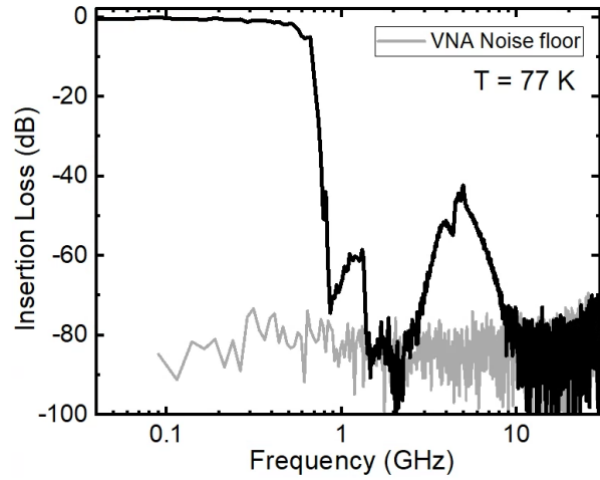
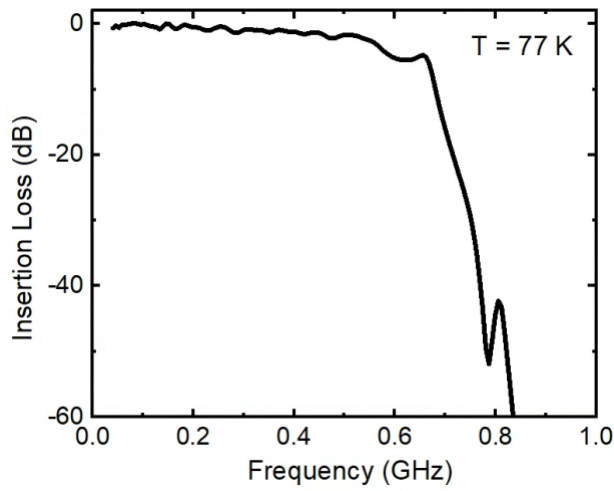
Description:

The QMC-CLCE-500AMF is an integrated infrared absorber and multi-stage LC filter which has a cutoff frequency of 500 MHz with a steep roll-off of >35 dB at 750 MHz provided by the reflective LC filter and continuous attenuation provided by infrared absorber out to >100 GHz. The filter incorporates infrared absorber regions of dielectric which minimizes high frequency transmission. The filter is designed for low temperature operation with good thermalization to OFHC copper housing.

Made in the USA

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Typical Frequency Response:



Functional Circuit Schematic

