



QMC-CLCE-350AMF

QuantumMicrowave.com

Integrated LC Infrared Filter

Specifications:

- Insertion loss 1 dB up to 250 MHz
- Cutoff 3 dB @ 350 MHz, > 35 dB at 550 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



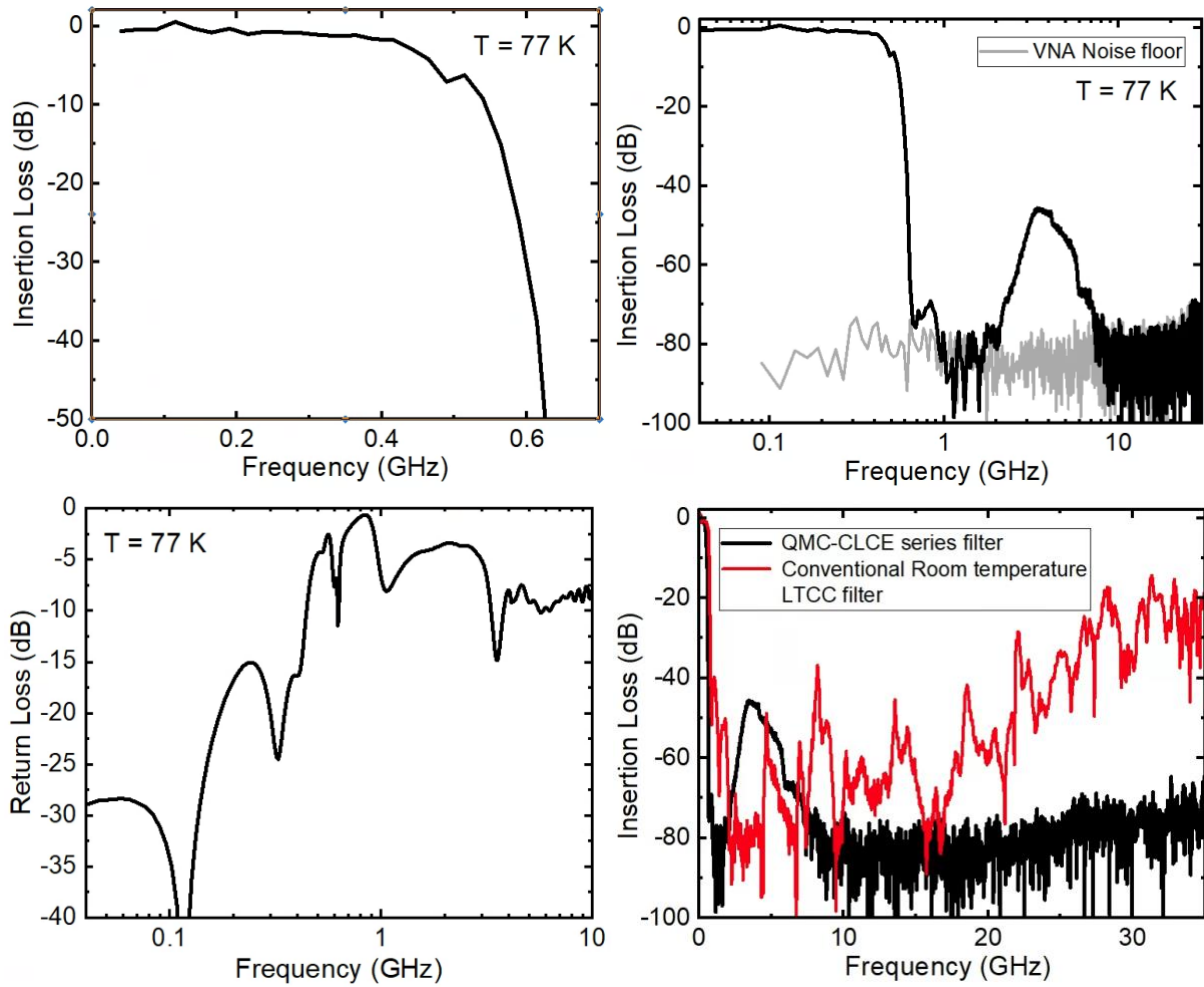
Description:

The QMC-CLCE-350AMF is an integrated infrared absorber and multi-stage LC filter which has a cutoff frequency of 350 MHz with a steep roll-off of >35 dB at 550 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

