

Key Features – Infrared-Filter

- IR-filter for microwave signals to protect qubit coherence
- Reliable, patented-pending manufacturing process
- Gold-plated OFHC copper casing for cryogenic use
- 2.5 dB loss at 6 GHz
- Based on ©Eccosorb CR 110
- Low insertion- and high return-loss

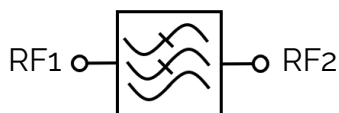


IR-Filter Gold-plated OFHC copper with SMA connectors

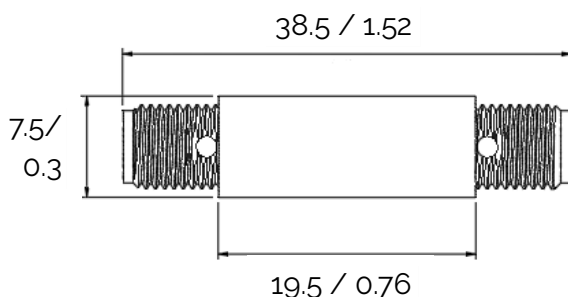
Typical Performance

RF frequency	DC - 10 GHz
Insertion loss	< 6.0 dB
Return loss	> 20.0 dB

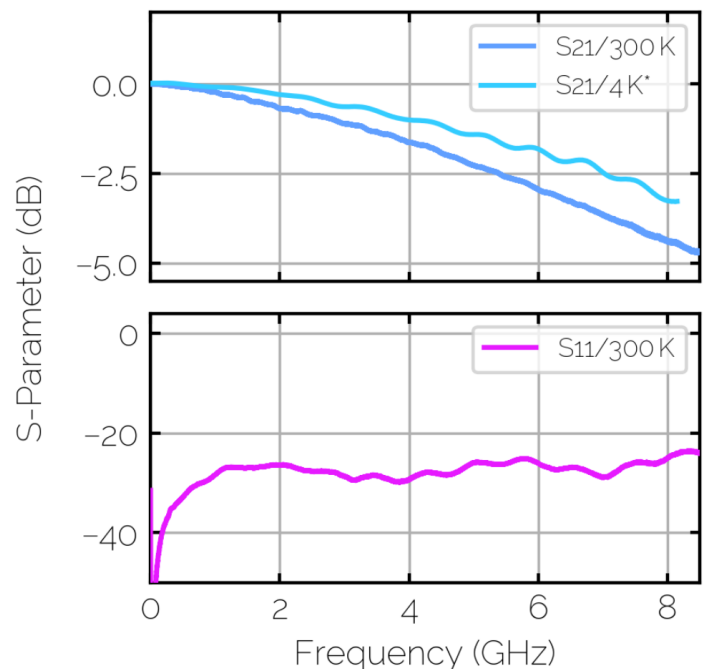
Circuit Schematic



Drawing Casing [mm/in]



Scattering-Parameters



* Cryogenic measurement done in liquid helium dipstick & normalized to reference through.

Wideband Attenuation

