

## 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

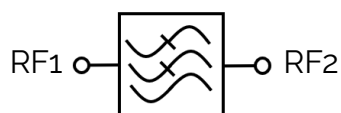


*IR Filter Gold-plated OFHC copper with SMA connectors*

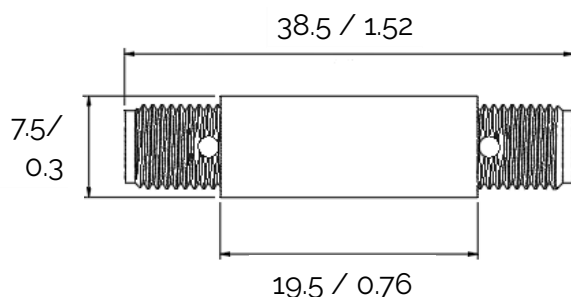
## Typical Performance

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

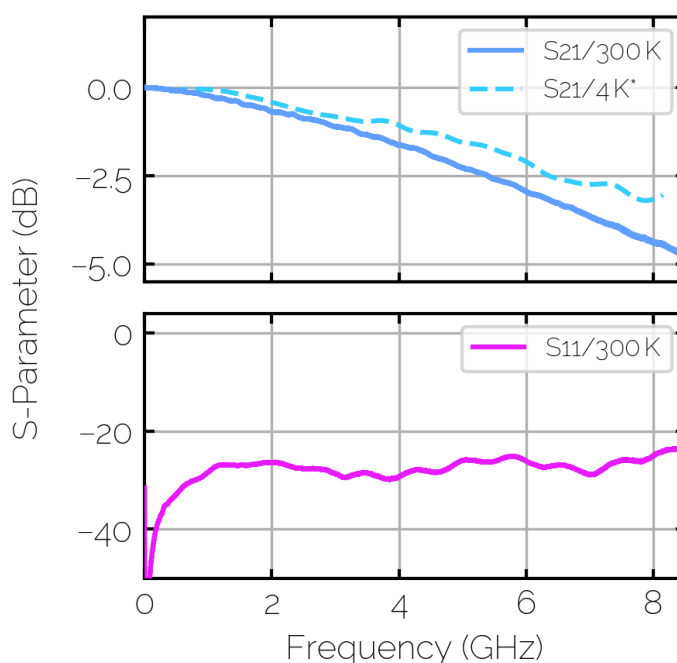
## Circuit Schematic



## Drawing Casing [mm/in]



## Scattering-Parameters



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

## Wideband Attenuation

