

QMC-CRYOIRF-003

Cryogenic High Cut-Off Frequency Infrared Filter

Key Features

- Cryogenic High Cut-Off Frequency Infrared Filter
- IR filter to enhance Qubit Performance
- Based on Magnetically loaded dielectric absorber
- Eccosorb CR 110
- Impedance 50 Ω
- Housing gold plated OFHC Copper
- Various connector configurations



QMC-CRYOIRF-003-S



QMC-CRYOIRF-003MF-S

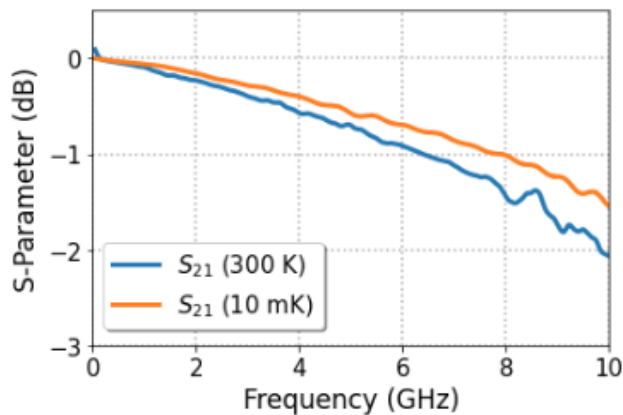
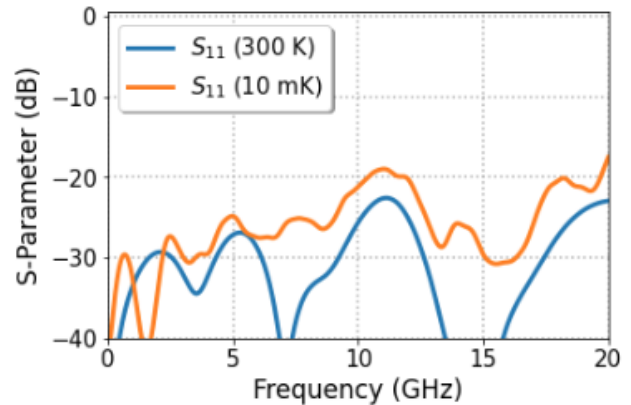
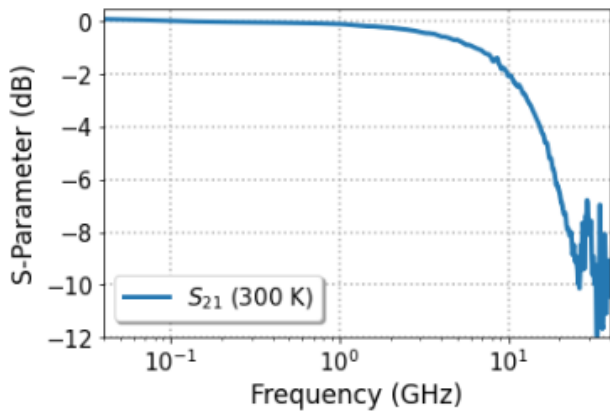


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Performance

Frequency	DC – 10 GHz
Insertion loss (10 mK)	1.5 dB @ 10 GHz
Return loss (10 mK)	20 dB

Scattering Parameters



QMC-CRYOIRF-003

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Connector Configurations

QMC-CRYOIRF-003 available in the following connector configurations (order number)



**SMA male-female
(QMC-CRYOIRF-003MF-S)**



**SMA female-female
(QMC-CRYOIRF-003-S)**



**SMA Bulkhead female-female
(QMC-CRYOIRF-003)**

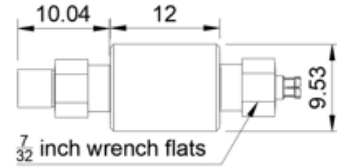


**SMP male-female
(QMC-CRYOIRF-003MF-SMP)**

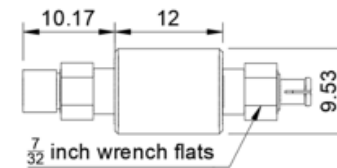


**SMPM male-female
(QMC-CRYOIRF-003MF-MSMP)**

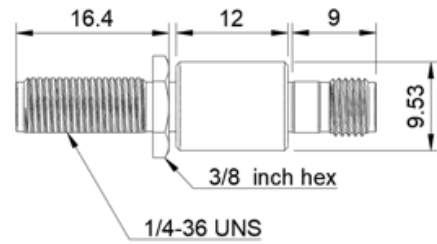
Drawings



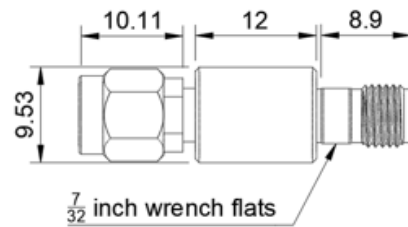
QMC-CRYOIRF-003MF-MSMP



QMC-CRYOIRF-003MF-SMP



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QMC-CRYOIRF-003MF-S