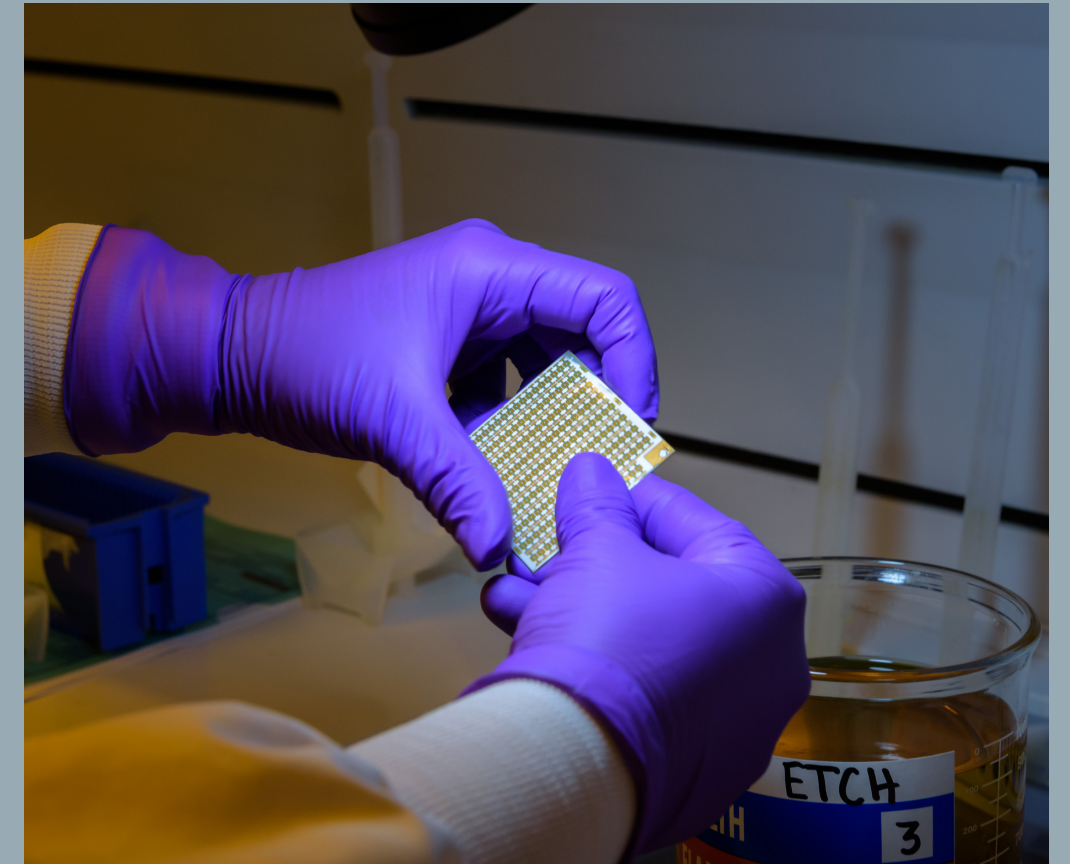


XMA is committed to developing and manufacturing high quality products and high tech solutions. Through our constant engagement with the cryogenic and quantum communities, we have created a growing product line that supports and improves passive components for quantum computing. Successful down to the mK level, our attenuators, terminations, adapters, filters, and calibration standards are robust products. These products are supported by our thin film fabrication laboratory and engineering team. These teams are constantly improving density and thermalization through materials science research and mechanical design improvements. Please route all questions and new product inquiries to quantum@xmacorp.com.



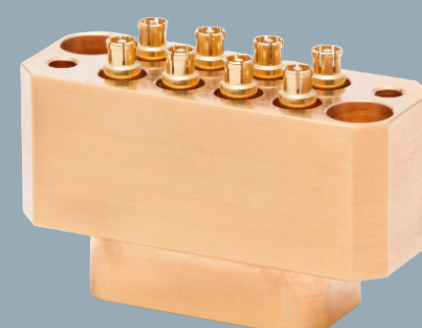
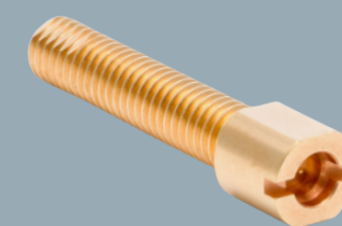
Attenuators

Attenuators are the cornerstone of XMA's cryogenic products. We have gone through many iterations of attenuators, from stainless steel SMA connectors with alumina chips to 8 way SMPM blocks with copper outerconductors and sapphire chips. See our options below.

Connectors

Frequency (GHz)

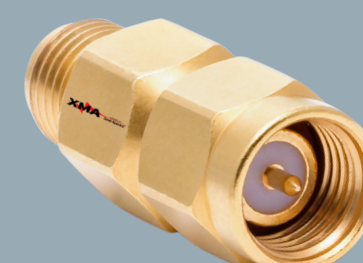
SMA	18
2.92mm	40
2.4mm	50
1.85mm	65
2.92mm bulkhead	40
SMP	18
SMPM	18
SMPM thread-in	18
SMP pin thread-in	18
8-way SMPM block	18



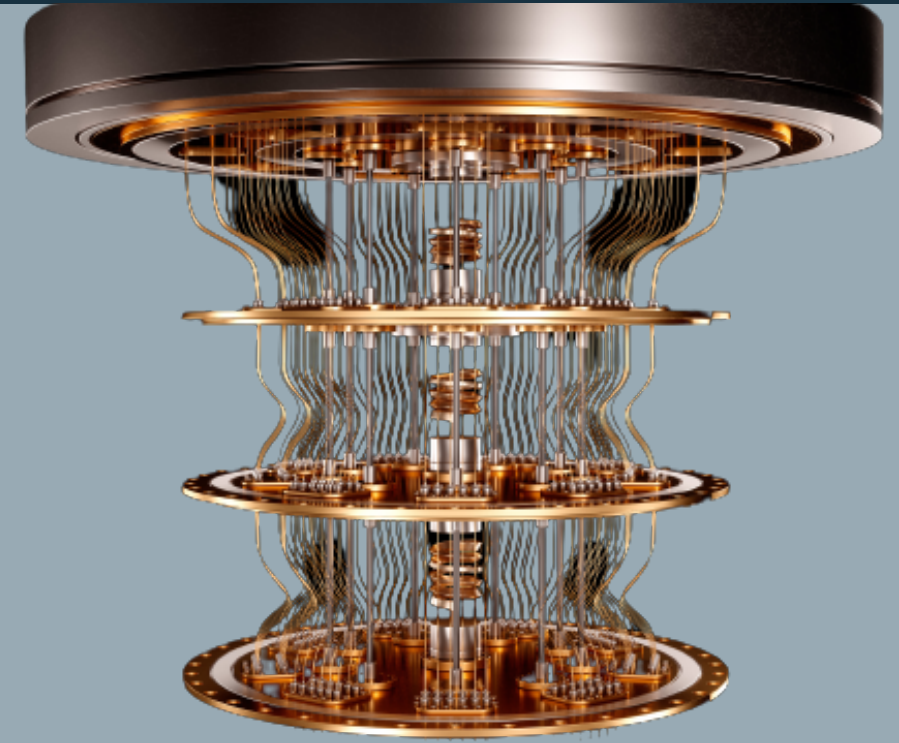
IR Filters

IR filters are one of XMA's newest products. We manufacture our IR filters using gold plated copper outerconductors and Eccosorb material to block the IR photons. We offer them as adapter products with 0-1dB of attenuation, or as attenuators with up to 30dB of attenuation.

Available with and without attenuation



XMA started its mission in the cryogenic industry with attenuators, but we've expanded our product portfolio to include terminations, adapters, calibration standards, and IR filters. It is our mission to serve the industry to our best ability, including constant new product development and frequent product upgrades. Check out our additional products here, and feel free to reach out to quantum@xmacorp.com for customization inquiries.



Terminations

XMA's terminations are the ideal solution for stopping your cryogenic signals without reflections or transmissions. We've conducted extensive research on the materials and geometries used and have seen a plethora of successes in the mK temperature arena.

Connectors

Frequency (GHz)

SMA

18

2.92mm

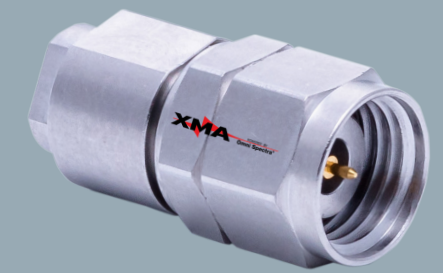
40

2.4

50

1.85

65



Adapters

Adapters are an important subset of XMA's cryogenic components. Paired with our 0dB attenuators, XMA has the products to get your signal through, with or without thermal launches.

Connectors

Frequency (GHz)

SMA

18

2.92mm bulkhead

40



Calibration

Two of XMA's newest additions to the industry are calibration standards. We offer standards for both SOLT and TRL calibrations, including specialized adapters of custom lengths.

Type

Components

SOLT

shorts, opens, loads, thrus

TRL

Tefline adapters of varying (custom) lengths

