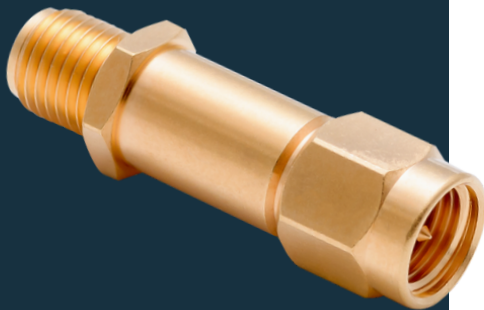


# WATT'S HAPPENING

## Cryogenic IR Filter



- Low band and high band models available
- Imbedded machined Eccosorb material for high repeatability
- Allows low frequency signals to pass while blocking high frequencies
- Gold-plated OFHC copper outer conductor
- SMA m/f with additional models in development

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XMA's brand new cryogenic IR filters increase the coherence time of qubits. With heritage and expertise in coaxial cryogenic product design and assembly, XMA has created a repeatable, turnkey solution for cryostat users. Typically installed just before the mixing chamber, these components are the final shield on the RF line for the qubit, blocking high energy photons that often "knock" qubits out of their quantum state. This necessitates a reliable and consistent performance at low temperatures. XMA's new IR filters are the ideal solution for increasing qubit coherence times within dilution fridges.

For inquiries, please contact  
sales@xmacorp.com or  
call us at +1 (603) 222-2256

