



QCY-G0401202 _ _

4 – 12 GHz Cryogenic Circulator

DESCRIPTION

QCY Cryogenic Circulators are field-displacement devices that offer exceptional broadband performance down to the mK range. The housing is made of OHFC copper and designed for optimal thermalization. We offer optional magnetic shielding. QCY products are available in array configurations to suit your applications. We design and manufacture our cryogenic circulators to meet your requirements.



FEATURES

- Exceptional Performance Down to the mK Range
- Low Insertion Loss
- Available with Standard, M μ -metal or Double Shielding

APPLICATIONS

- Quantum Computing
- Radio Astronomy
- Particle Physics Research

TECHNICAL SPECIFICATIONS: 4 – 12 GHz

PARAMETER	TYPICAL
Return Loss	20.0 dB
Insertion Loss	0.40 dB
Isolation	36.0 dB

Note: Triple and higher junctions are also available.

MECHANICAL SPECIFICATIONS

ITEM	SPECIFICATION
Connector	SMA Female/Male
Size	0.52" (W) 2.76" (L) X 1.4" (H)
Housing Material	OHFC Copper
Weight	120 g



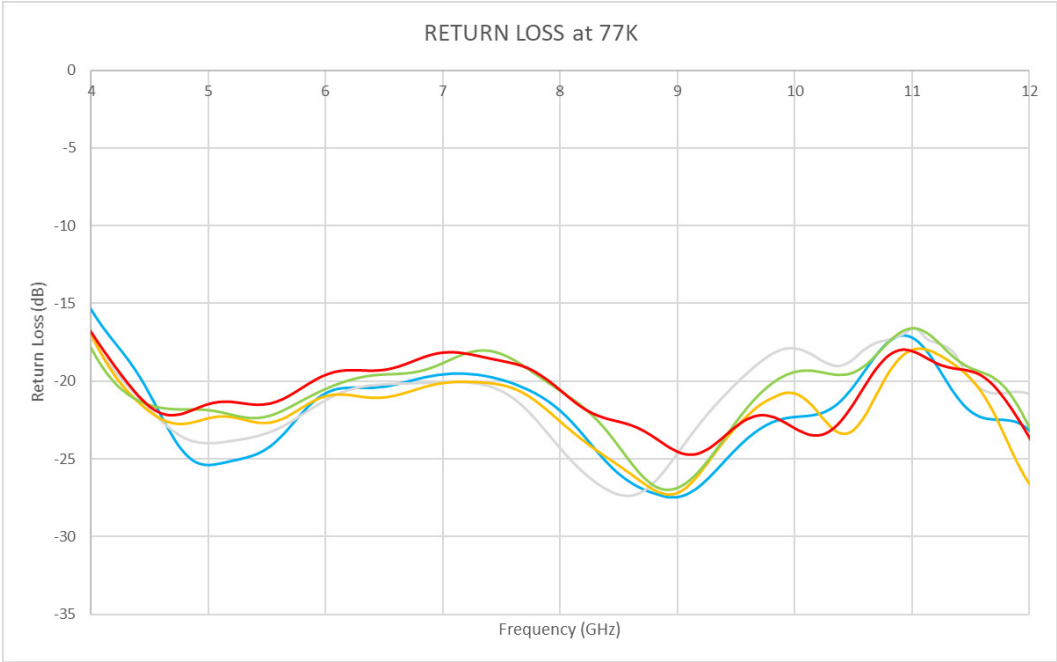
MADE IN U.S.A.



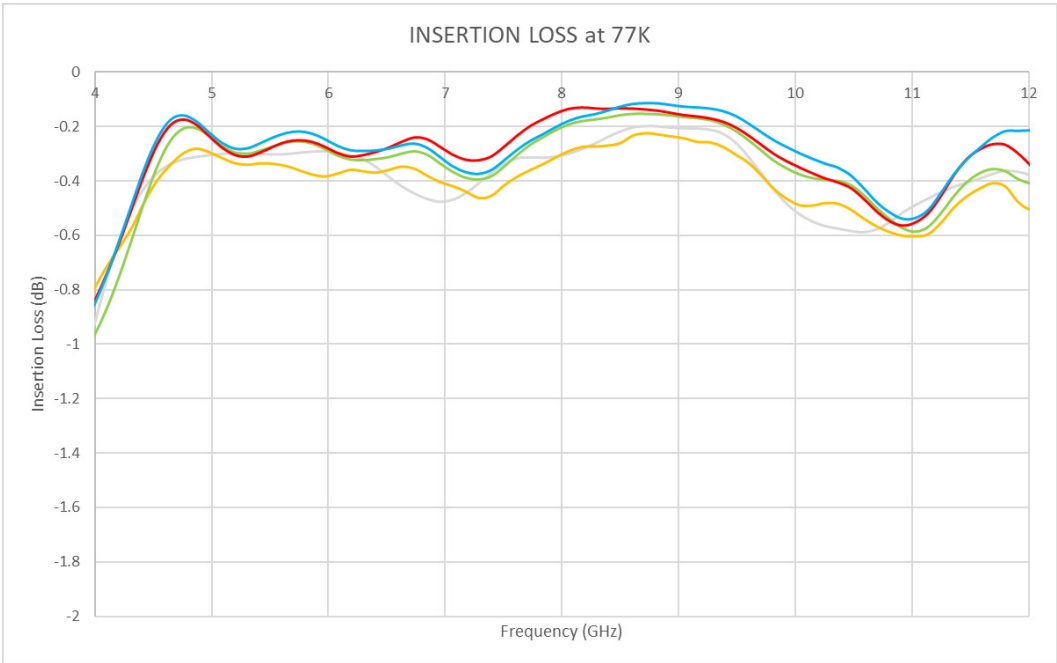
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RETURN LOSS VS. FREQUENCY



INSERTION LOSS VS. FREQUENCY

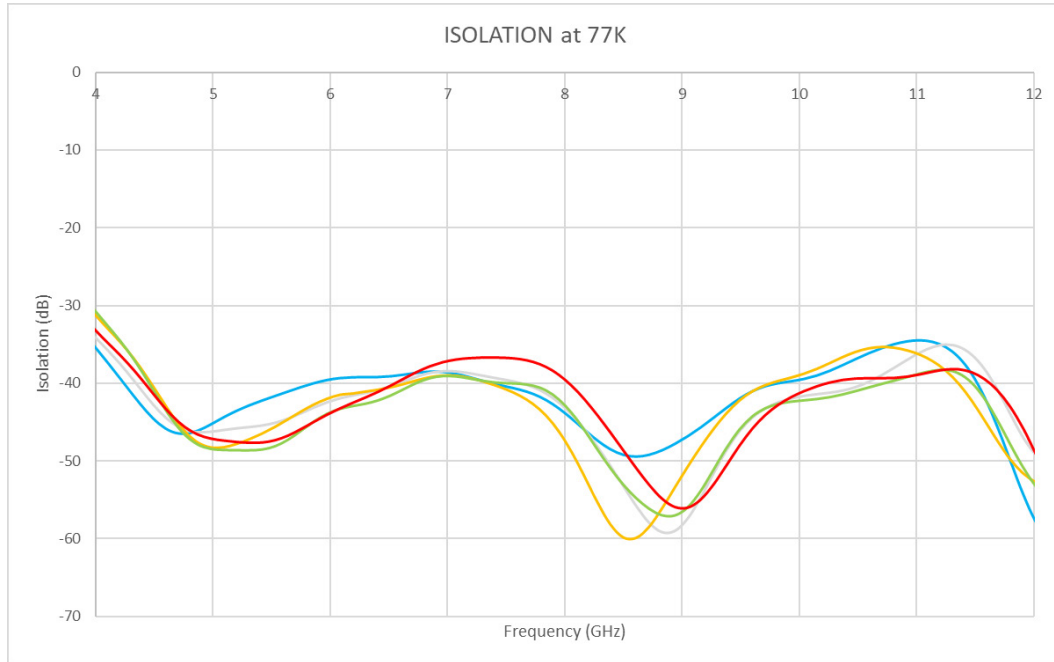




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ISOLATION VS. FREQUENCY



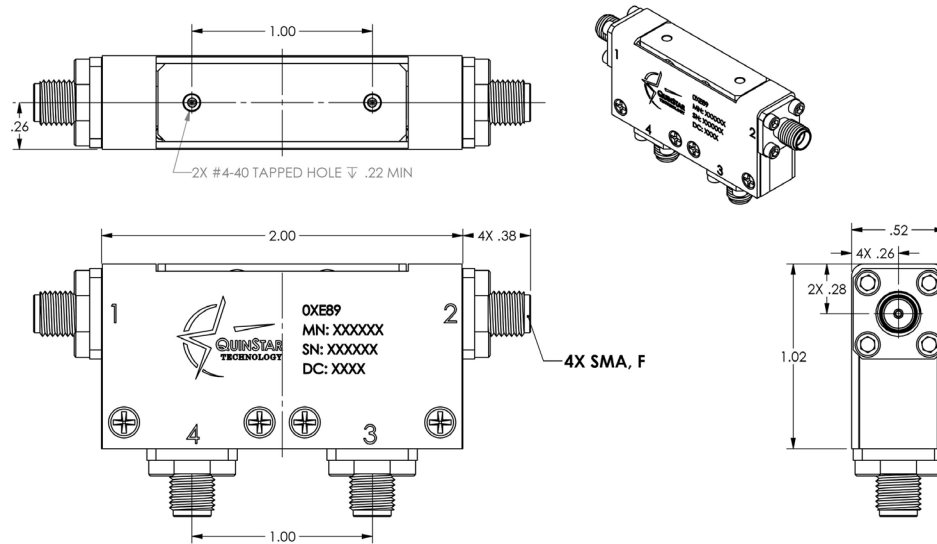


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MECHANICAL OUTLINE (WITH M μ -METAL SHIELDING OR STANDARD SHIELDING)

Note: Dimensions in inches.



MECHANICAL OUTLINE (WITH DOUBLE SHIELDING)

Note: Dimensions in inches.

