MtronPTI ...when timing matters
2525 Shader Road, Orlando Florida 32804 USA
Phone: 407-298-2000 Fax: 407-293-2979
Website: mtronpti.com NYSE MKT: LGL

Tunable Bandpass Cavity Filters
MtronPTI Part#: UF9978

Using over 50 years of high performance RF filter design and manufacturing experience, MtronPTI can provide field tunable bandpass cavity filters that could be used to tune desired signals while rejecting interfering signals in Air Navigation Systems Receivers.

Features: High Q, Low Insertion Loss, Better Selectivity, Power Handling, Excellent out of band performance

Applications: TACAN/DME Air Navigation Systems, Instrumentation

General & Electrical Requirements:

1. Passband Frequency Range: 1025 to 1150MHz min

   Passband: Fc+/- 0.2MHz minimum

   Passband Variation: 0.25dB maximum

   Passband Return loss: 14dB maximum

   3dB Bandwidth: 4MHz maximum

   Insertion Loss @ tuned frequency: 2.0dB maximum, 1.5dB typical

   Stop-Band Attenuation:

   80dB minimum from 5MHz to Fc-63MHz

   80dB minimum from Fc+63MHz to 2800MHz

   Input Power: 50W average maximum

   Out of band signals (+/- 63MHz from Fc): 1000W peak (4uSec Pulse width, 5% duty maximum.)

   Tuning Method: Screw Tuning

   RF Impedance: 50 ohms

2525 Shader Road, Orlando Florida 32804 USA
Phone: 407-298-2000 Fax: 407-293-2979
Website: mtronpti.com NYSE MKT: LGL

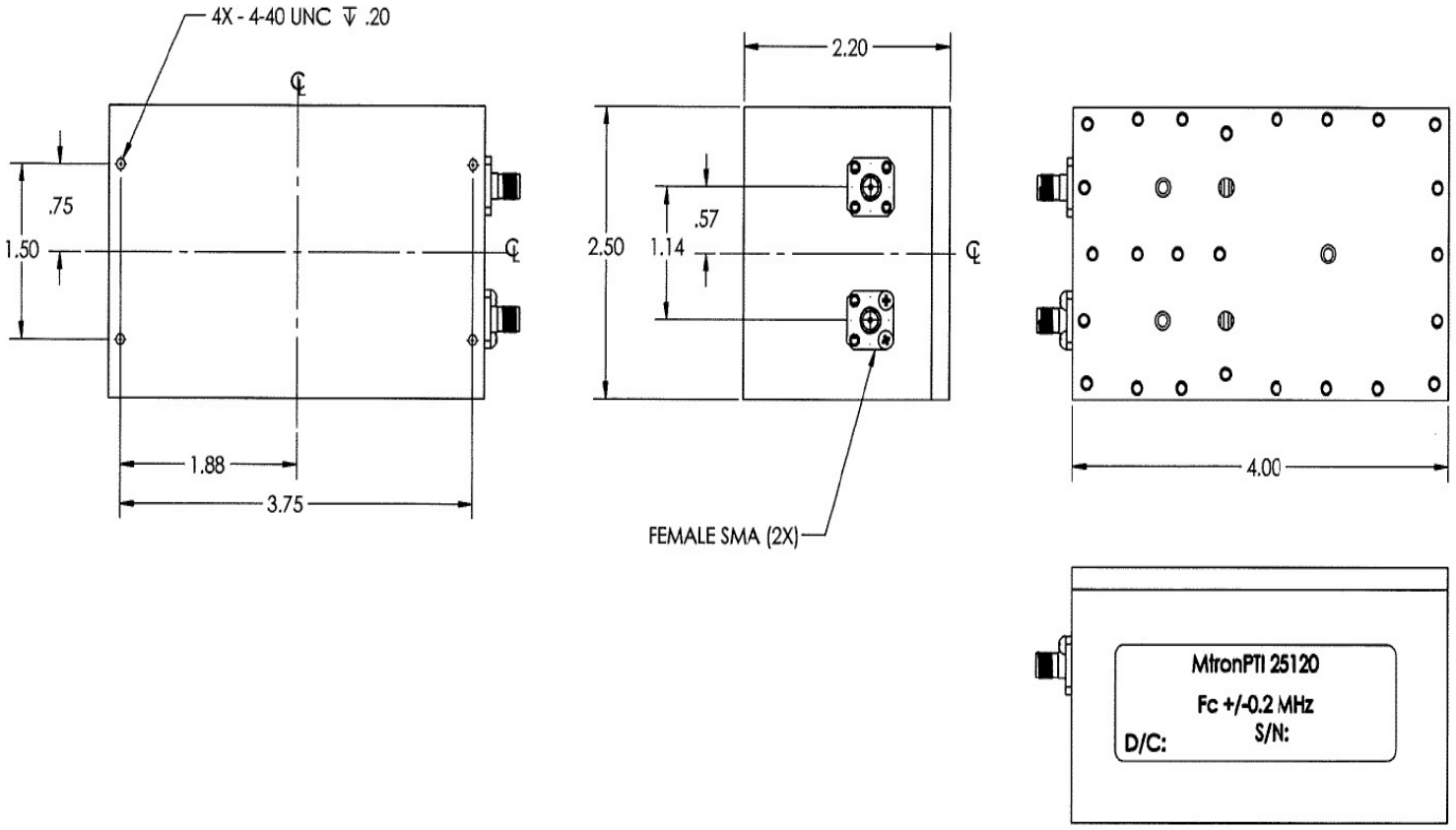
...when timing matters

Tunable Bandpass Cavity Filters
MtronPTI Part#: UF9978

2. General Specifications:

Operating Temperature: -20°C to +60°C

Connector: SMA Female



UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
TOLERANCES
DECIMALS ANGULAR
.XX ± .01 ±
.XXX ± .005
DO NOT SCALE DRAWING

THIRD ANGLE PROJECTION

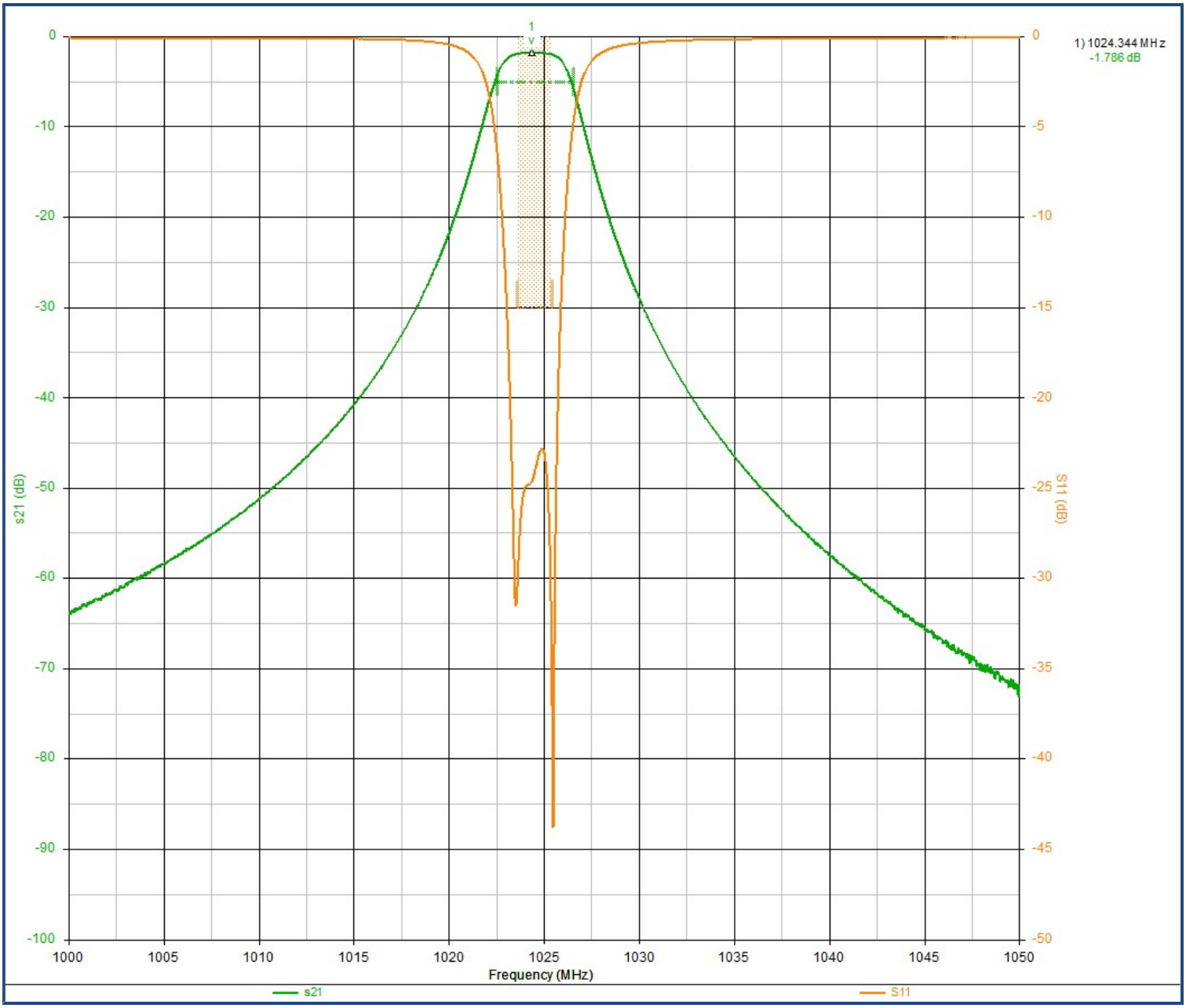
Paint: Black with Mil-DTL 64159 Type 2 Waterborne Polyurethane

2525 Shader Road, Orlando Florida 32804 USA
Phone: 407-298-2000 Fax: 407-293-2979
Website: mtronpti.com NYSE MKT: LGL

...when timing matters

Tunable Bandpass Cavity Filters
MtronPTI Part#: UF9978

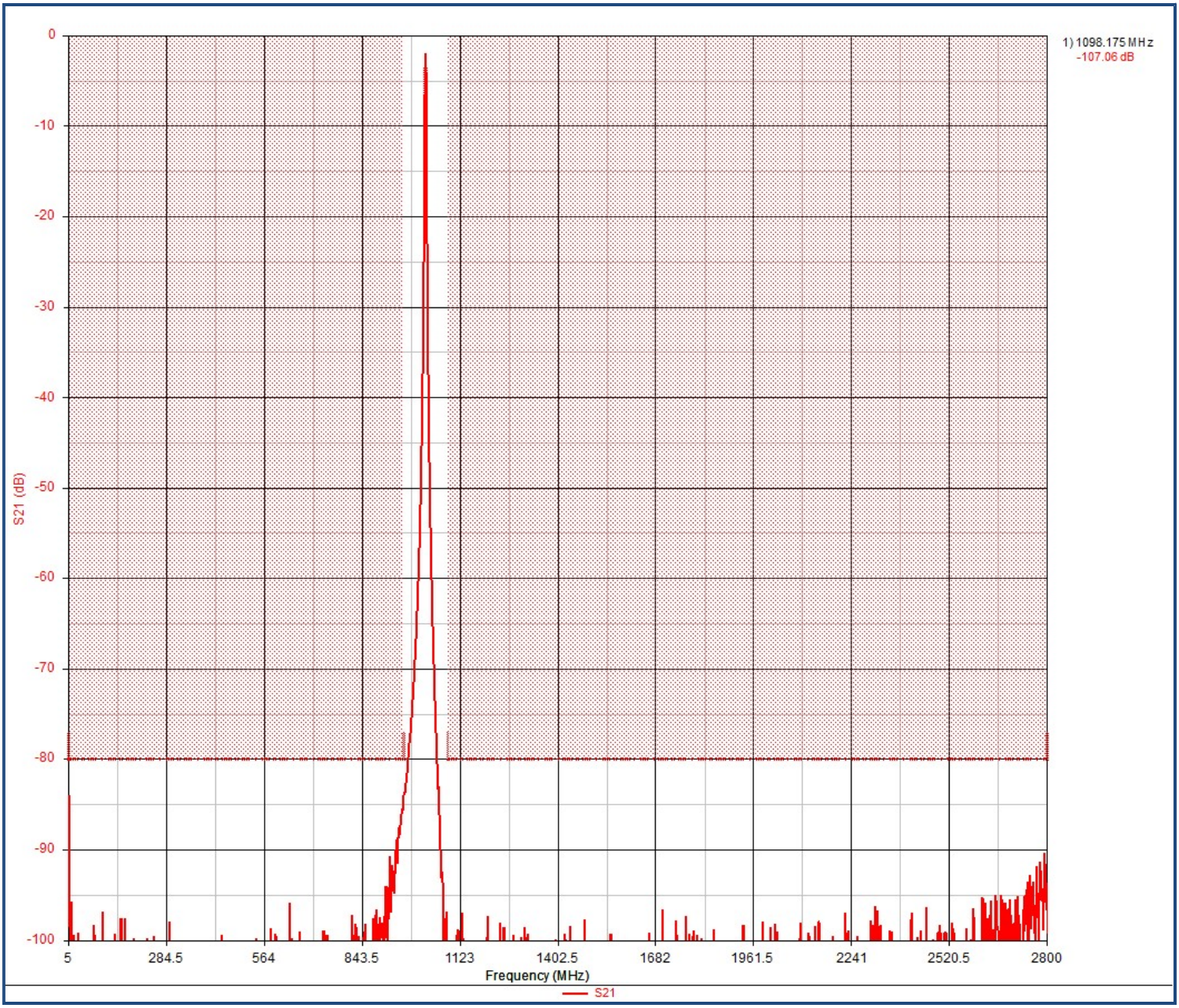
II. Test Data



2525 Shader Road, Orlando Florida 32804 USA
Phone: 407-298-2000 Fax: 407-293-2979
Website: mtronpti.com NYSE MKT: LGL

...when timing matters

Tunable Bandpass Cavity Filters
MtronPTI Part#: UF9978



Data Sheet Revision Table

Date	Rev.	Author	Details of Revision
11-05-18	A	DPD	Original Release