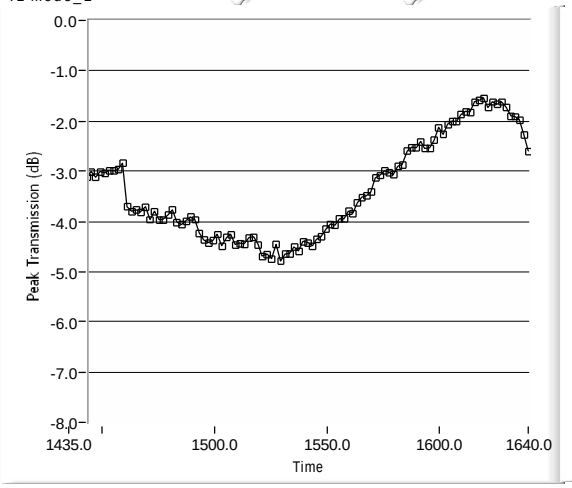
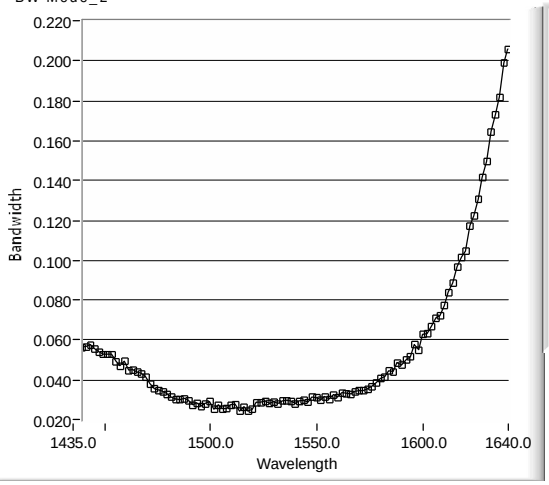
Fiber Fabry-Perot Tunable Filter (FFP-TF) Test Results

Serial Number

Date Mon, Jul 23, 2007

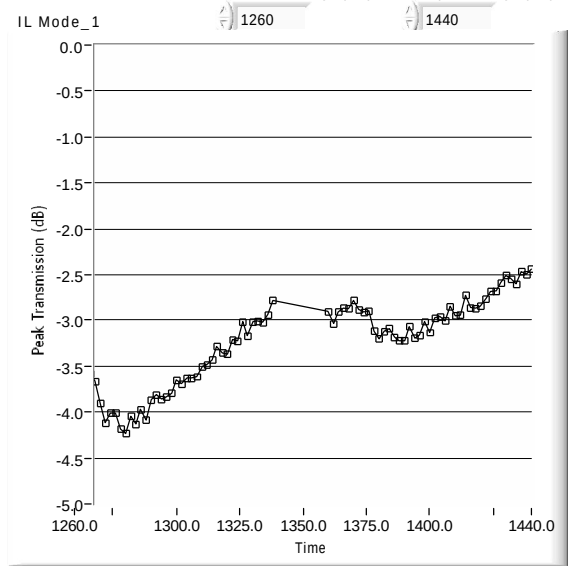
start wavelength(nm) 2: 1435 stop wavelength(nm) 2: 1640

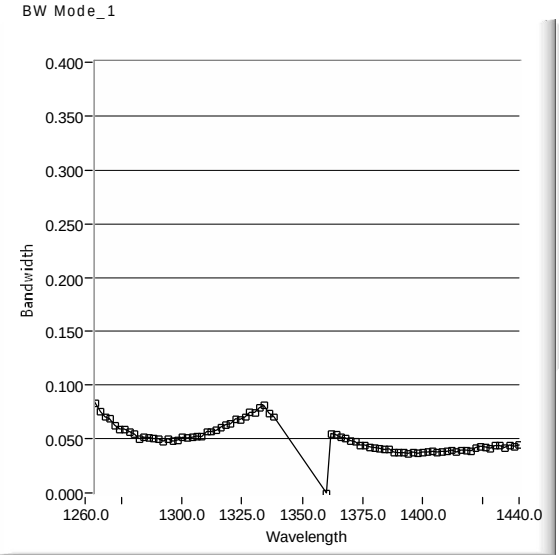




V2b	V2a
37.9	46.2
FSR2b	FSR2a
277.8	NaN
BW2a Min	BW2a Max
0.025	0.060
BW2b Min	BW2b Max
0.028	0.041
BW2c Min	BW2c Max
0.042	0.122
BW2d Min	BW2d Max
0.131	0.206

start wavelength(nm) 3: 1260 stop wavelength(nm) 3: 1440





V1b	V1a
34.4	40.0
FSR1b	FSR1a
NaN	357.3
BW1a Min	BW1a Max
0.084	0.106
BW1b Min	BW1b Max
0.071	0.076
BW1c Min	BW1c Max
0.048	0.069
BW1d Min	BW1d Max
0.000	0.082

min value GDFR O	min value GDFR S	min value GDFR C	min value GDFR L
0	0	0	0
Min GDFR WL O	Min GDFR WL S	Min GDFR WL C	Min GDFR WL L
0	0	0	0

Conformance Statement

Micron Optics, Inc., confirms that the following Fiber Fabry-Perot Filter has been manufactured using fully qualified, consistent, procedures and materials. The proof of conformance is presented in the above serialized data sheet.

Handling

1. Before using/installing the device carefully remove the metal shorting wire, if present, used for transportation.
2. Any FFP product must be handled carefully. As with all high performance Fabry-Perot devices, mirrors are aligned to nanometer tolerance. If the FFP is subjected to excessive shock the mirrors will become misaligned and the filter performance will degrade.

Connectorization

Do not hold sheath and pull fiber; breakage could occur as a result.

1. Pigtails contain loose buffered fiber so special connectorization procedures are required.
2. Chemical stripping of the fiber is preferred.
3. To mechanically strip the fiber, wrap 6 to 8 turns of buffered fiber around a 1 inch diameter mandrel to transfer tensile load from fiber to buffer. Gently strip fiber.
4. Minimize residual compressive load on fiber relative to sheath when inserting ferrule.
5. Follow remaining standard connectorization procedures.

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