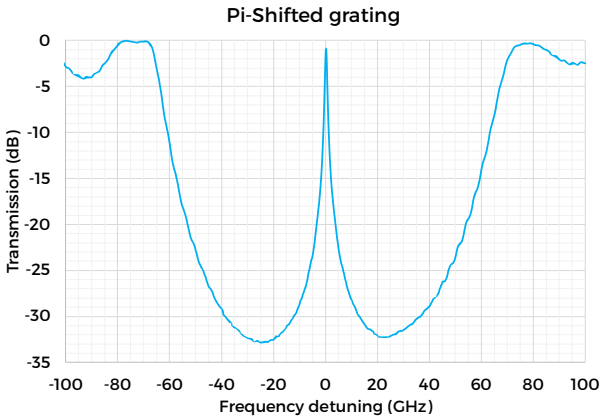
IXC-FBG-PS-1064-2-PM-FA
Ultra-Narrow Bandwidth Pass-band Filter based on Fiber Bragg Grating
TECHNICAL SPECIFICATIONS

Parameters (measured in transmission)

iXblue part number	IXC-FBG-PS-1064-2-PM-FA
Center Wavelength [1]	1064 +/- 0.05 nm
Rejection bandwidth ΔV_{-3dB}	> 125 GHz
Bandpass linewidth BP_{-3dB} [2]	< 2 GHz
Rejection level $\Delta T_{20\mathrm{GHz}}$	> 20 dB
Insertion loss *IL* [2]	< 1 dB
Thermal stabilization in [20 ; 70]°C	< 2 pm/°C
Wavelength shift in [- 5 ; 70]°C	< 150 pm
Input power (max.) [3]	1 mW

Typical spectrum (measured in transmission)



Comments:

Specifications are subject to change without notice

[1] Referenced to vacuum, slow axis
[2] By design
[3] Without thermal dissipation (athermal package)

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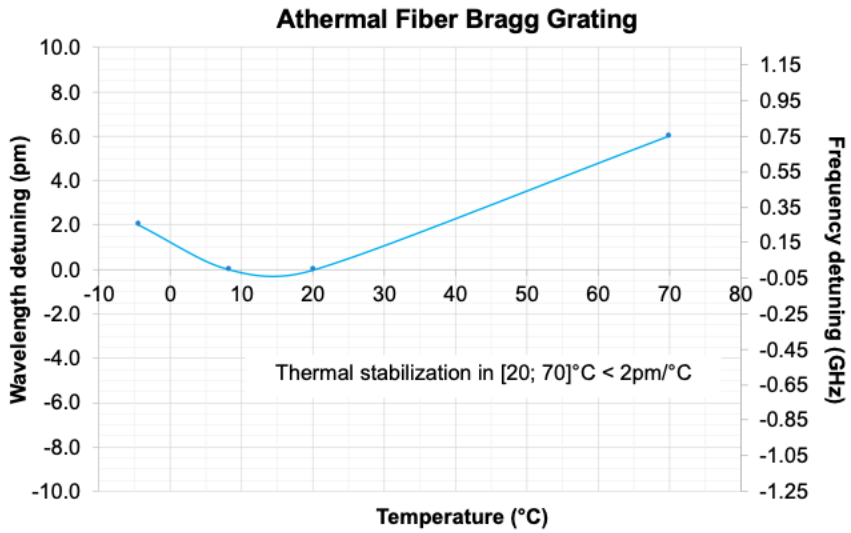
Athermal Fiber Bragg Grating
TECHNICAL SPECIFICATIONS

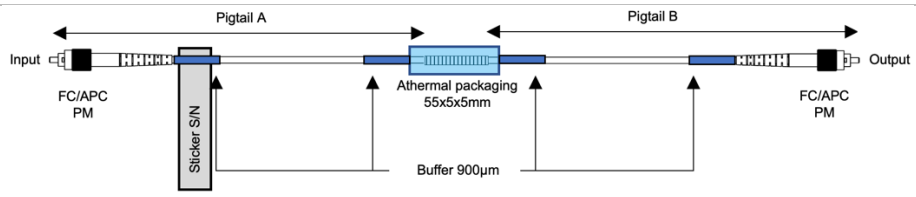
Parameters (standard)

Thermal stabilization	< 2 pm/˚C in [20; 70] ˚C
Wavelength shift	< 150 pm in [- 5 ; 70] ˚C
Wavelength adjustment	± 50 pm (mechanical tuning screw)
Operating temperature	-5 to 70 ˚C
Storage temperature	-40 to 80 ˚C
Fiber type	PM
Fiber length	1 m each side of package
Fiber protection	buffer 900 µm (boots 20 mm standard, other length upon request)
Connector each side	FC/APC
Complies with Telcordia GR-1209	

Athermal characteristic



FBG configuration



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