



PRODUCT SPECIFICATIONS
FBGL4ELC7197 Rev. 00
Fiber Bragg Grating for Laser

Device Characteristics

Configuration	Port Identification	Fiber Type	Notes
Signal input port		20/400 um NA=0.06/0.46	

Optical Performance Specifications

Parameters	Min.	Typ.	Max.	Units	PDR	Notes
Central Wavelength	1069.00	1070.00	1071.00	nm	Yes	1,2,3
FWHM (-3dB)	0.80	1.00	1.20	nm	Yes	
Reflectivity	9.0	10.0	11.0	%	Yes	4
Wavelength matching			0.20	nm	Yes	
Power handling (CW Signal)			1000	W		5
Power handling (CW Pump)			1000	W		5

Mechanical and Environmental Specifications

Parameters	Value	Notes
Pigtail length	>1 m - Package Center - >1 m	
Packaging	High Power	
Package dimensions	60.0 x 12.0 x 6.5 mm	

Additional Informations / Customer requirements

Blue mark on short wavelength side
Wavelength matching with FBGL4EHC7197

Note(s)

- [1] Specified at nominal operating temperature : 22°C
- [2] Optical spectrum analyser referenced to vacuum
- [3] If a polarization maintaining (PM) fiber is used, the measurement is performed along the slow axis
- [4] LP01's peak reflectivity is estimated from the measured transmission spectrum
- [5] Heatsinking is required

Specification subject to change without notice.
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