



**PRODUCT SPECIFICATIONS**  
**FBGL4ELC9696 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	1079.00	1080.00	1081.00	nm	Yes	1,2,3
FWHM (-3dB)	0.90	1.00	1.10	nm	Yes	
Reflectivity	8.0	10.0	12.0	%	Yes	4
Wavelength matching			0.20	nm	Yes	
Side lobe suppression ratio (SLSR)	10			dB		Best effort
Power handling (CW Pump)			3000	W		5

**Mechanical and Environmental Specifications**

Parameters	Value	Notes
Pigtail length	>1.15 m - Package Center - >1.15 m	
Packaging	High Power	
Package dimensions	60.0 x 12.0 x 6.5 mm	

**Additional Informations / Customer requirements**

Wavelength matching with FBGL4EHC9696
Blue mark on short wavelength side

**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, in accordance with ITF application notes

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