



PRODUCT SPECIFICATIONS
FBGL4EHC9696 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)	1.80	2.00	2.20	nm	Yes	
Reflectivity	99.5			%	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 FBGL4ELC9696
Blue and black marks 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 (on our website)

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