

FIBER BRAGG GRATINGS – SPECIFICATIONS

Parameters	Unit	Specification	Tolerance
Center Wavelength ¹	nm	In the range of : 850 – 1099, 1100 – 1499, 1500 – 1595	±0.05 (min.) ±0.5 (typical) ±1.0
FWHM Bandwidth	nm	0.06 (minimum) 0.2 – 0.3 (typical) >0.3	±0.1
Reflectivity	%	5% to >99%	±1
Grating Profile		Uniform, apodized, or chirped	
Grating Length	mm	3mm to 40mm (depending on BW)	
Fiber Type		Choice of : Hi980, Hi1060, SMF28, PM980, PM1550, polyimide-coated SM1550	
Fiber Length	m	>0.5m each side	
Proof Test	kpsi	>100	
Packaging		Bare grating (Teflon protection tube) or, Acrylate recoating or, Polyimide recoating	
Side Lobe Suppression Ratio	dB	>15dB to >25dB	
Polarization dependent loss ²	dB	<0.2	typical
Insertion Loss ²	dB	<0.1	typical
Temperature coefficient of Center Wavelength	pm/°C	~13	±2
Connectors (optional) ³		FC/UPC, FC/APC or SC/APC	

Notes :

1. Depending on the availability of phase masks, some wavelengths within these ranges may not be available.
2. These parameters are measured only on statistical samples.
3. Connectors are optional and charged separately.

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