

C/DWDM Fiber Bragg Gratings

C/DWDM FBG Series

Product Description: The C/DWDM fiber Bragg gratings are a series of fiber grating designed particularly for different WDM applications with different WDM bandwidth and reflectivities. Our standard DWDM FBG's include 200/100/50/25/12.5GHz DWDM FBG filters with different DWDM figure-of-merit (FOM). These FBG filters are apodized to meet different DWDM applications, and the special apodization functions to modulate the refractive index of the FBG's can be chosen to effectively reduce the side mode of the fiber gratings. The FBG elements experienced a post-fabrication processing to burn-in unstable portion of the grating to secure a long-term reliability.

Applications

- CWDM and DWDM filters
- Band stop fiberoptic filters
- Fiber Bragg grating sensor
- Fiber laser
- Wavelength division multiplexing / demultiplexing module.

Features

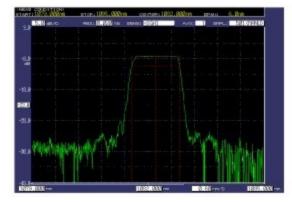
- · High WDM channel isolation
- · C/DWDM channel spacing of 12.5/25/50/100/200GHz/CWDM
- Low insertion loss and low dispersion
- · Athermal FBG package available



Optical and Electric Specifications

Parameter	Units	Value	Tolerance	
Wavelength range	nm	CWDM S/C/L band	±0.3	
Reflectivity	%	0.5%~99.9%	±0.5%	
3dB bandwidth	nm	0.1-1.5	±0.05	
SMSR	dB	>15 +	/ iobin/ c	
Fiber type		SM PM and MM	K-ICDUV.C	
Heavy coating	-	Acrylate		
Tensile strength	Kpsi	≥100	-	
Working temperature	°C	-5~70	-	
Storage temperature	°C	-40~85	-	

Reflection spectrum of The C/DWDM Fiber Bragg Gratings



Ordering Information

WFBĢ																				
WFBG-	Code	Fiber model	Code	Grating	Code	Wavelength	Code	Reflectivity	Code	3dB Bandwidth	Code	Package type	Code	Coating type	Code	Fiber length	Code	Grating area length	Code	Connector
	0	SM	Α	C/DWDM	Е	CWDM S/C/L-band	н	10%-99.9%	к	0.1nm-1.5nm	U	Standard temperature compensation	v	Acrylate	1	50cm	х	lcm	0	None
	-1	PM	В	Laser Stabilizer	F	600-1650	1	1%~99%	L	0.1nm-1.0nm	N	None	w	Polyimide	2	100cm	Y	2cm	1	FC/UPC
	2	MM	D	Chrip	G	C+L Band	J	0.5%~99%	М	1nm-50nm			N	None	3	150cm	Z	5cm	2	LC/APC
	3	Н			С	Customize	C	Customize	C	Customize					4	200cm	0	10cm	3	LC/UPC
	4	Polyimide coated Fiber													C	Customize	P	15cm	4	LC/UPC
	С	Customize															Q	20cm	5	SU/UPC
																	C	Customize	6	SC/APC
																		J.	C	Customize
		10			-		50.	Examp	le of Or	dering Form:	FBG-2A	EJLNV1X0			180		7.21		100	
		2		A		Е		J		100000	L.		N		V		1	X		0
WFBG-	MM			C/DWDM		CWDM_S/C/L-band		0.5%~4	0.5%~99%		-1.0mm	NONE			Acrylate		50cm	lem		None