1550nm Fiber Bragg Grating (FBG)

FEATURES

- Various FWHM
- Low Insertion Loss
- Various Reflectivity
- High Reliability and Stability
- Package Free

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Fiber Sensor
- Fiber Laser

SPECIFICATIONS

Parameter		Unit	Value
Center Wavelength		nm	1470~1600
Center Wavelength Tolerance		nm	+/-0.5
Center Wavelength Mismatch		nm	0.2
Reflectivity		%	0.5~99.9
FWHM		nm	0.1~3.0
Side Mode Suppression Ratio (SMSR)		dB	A: ≥8; B: ≥10; C: ≥15; D: ≥20;E: ≥25;
Extinction Ratio (For PM Fiber Type)		dB	≥18
Fiber Type	SM Fiber	-	SMF-28 Fiber, 8/125um NA=0.12(M), 6/125um NA=0.18(M1), 10/130um NA=0.075(O), 12/130um NA=0.2(T), 15/130um NA=0.075(W), 20/130um NA=0.075(Q), 25/250um NA=0.065(R), 25/300um NA=0.09(G), 25/400um NA=0.065(R1), 30/250um NA=0.06(R6), 30/400um NA=0.06(R3) or specified by customer
	PM Fiber		PM1550 Fiber, 8/125um NA=0.12(M), 6/125um NA=0.18(M1), 10/125um NA=0.075(O), 12/130um NA=0.2(T), 15/130um NA=0.075(W), 20/130um NA=0.075(Q), 25/250um NA=0.065(R), 25/300um NA=0.09(G), 25/400um NA=0.065(R1), 30/250um NA=0.06(R6), 30/400um NA=0.06(R3) or specified by customer
Cladding Power Mode		-	Transmitted or Stripped
Maximum Optical Power (CW)		mW	300
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Type	None	-	Recoating
	Stainless Steel Tube (SST)	-	Ø3.0xL60
	Metal Box	-	L50xW5xH5, L60xW12xH5

Note: 1. Specifications are for device without connectors; Specifications may change without notice.
2. To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
3. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FBGA-NNNN- NN NN -C (C) (C) (C) - (C) C(N) C NN - CC/CCC

Center Wavelength	Reflectivity	FWHM	SMSR	Cladding Mode	SM or PM Fiber	Environment	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1480=1480nm	30=30%	01=0.1nm	A=≥8	T=Transmitte	P=PM Fiber	V=Vacuum	F=F Type	0=10/130DC or 10/125PMDC Fiber	B=Bare fiber	05=0.5m	N=Without Connector
1550=1550nm	01=1%	05=0.5nm	B=≥10	S=Stripped	Blank for SM	Blank for Air	J=J Type	T=12/130DC or PMDC Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1590=1590nm	99=99%	10=1.0nm	C=≥15	Blank for None			S=SST	G=25/300 DC or PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1600=1600nm	80=80%	15=1.5nm	D=≥20				Blank for None	Blank for SMF-28 Fiber or PM1550 Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector