2000nm High Power 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	1900~2050
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, SM1950 Fiber(V), 10/130um NA=0.15(O), 25/250um NA=0.09(R), 25/400um NA=0.09(R4), or specified by customer
	PM Fiber		PM1550 Fiber, PM1950 Fiber(V), 10/130um NA=0.15(O), 25/250um NA=0.09(R), 25/400um NA=0.09(R4), or specified by customer
Cladding Power Mode		-	Transmitted or Stripped
Maximum Optical Power (CW)		W	1, 5, 10, 30, 50, 100, 300, 500, 1000, 2000, 3000
Max. Cladding Optical Power (CW)		W	1, 5, 10, 30, 50, 100, 300, 500, 1000, 2000, 3000
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Type	None	-	Recoating
	Stainless Steel Tube (SST)	-	Ø3.0xL60
	Metal Box	-	F: L50xW5xH5, J: 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 CC - C (C) (C) -HPNN -(NN) - (C) C(N) C NN -CC/CCC

Center Wavelength	Reflectivity	FWHM	SMSR	Cladding Mode	SM or PM Fiber	Signal Power	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900=1900nm	30= 30%	01= 0.1nm	A=≥8	T=Transmitte	P= PM Fiber	1= 1W	25=25W	F=F Type	V=SM1950 or PM1950 Fiber	B= Bare fiber	05=0.5m	N=Without Connector
1950= 1950nm	01=1%	05=0.5nm	B=≥10	S=Stripped	*Blank* for SM Fiber	50= 50W	50=50W	J=J Type	O=10/130 DC or PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2000= 2000nm	99=99%	10=1.0nm	C=≥15	*Blank* for None		1000= 1000W	1000=1000W	S=SST	R=25/250 DC or PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
2050= 2050nm	80=80%	15=1.5nm	D=≥20			3000= 3000W	*Blank* for None	*Blank* for None	*Blank* for SMF-28 Fiber or PM1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector