

960~1150nm Fiber Bragg Grating (FBG) for Pulse Power

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	975, 976, 1018, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120, 1150
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	HI1060 Fiber, 6/125um NA=0.14(N), 5/130um NA=0.12(N1), 10/125um NA=0.075(O), 15/130um NA=0.075(W), 20/130um NA=0.075(Q), 25/250um NA=0.065(R), 25/400um NA=0.065(R1), 30/250um NA=0.06(R6), 30/400um NA=0.06(R3) or specified by customer
	PM Fiber	PM980 Fiber, PM1060L Fiber(E),6/125um NA=0.14(N), 5/130um NA=0.12(N1), 10/125um NA=0.075(O), 15/130um NA=0.075(W), 20/130um NA=0.075(Q), 25/250um NA=0.065(R), 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 Signal Average Power	W	1, 5, 10, 30, 50, 100, 300, 500, 1000, 2000, 3000
Max. Cladding Average Power	W	1, 5, 10, 30, 50, 100, 300, 500, 1000, 2000, 3000
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20, 50, 100
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Type	None	Recoating
	Stainless Steel Tube (SST)	∅3.0xL60
	Metal Box	F: L50xW5xH5, J: L60xW12xH5

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

ORDERING INFORMATION (PN)

FBGA-NNNN-NNCC - C (C) (C) -H NN PNN -(NN) - (C) C(N) C NN -CC/CCC

Center Wavelength	Reflectivity	FWHM	SMSR	Cladding Mode	SM or PM Fiber	Signal Power	Peak Power	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
975-975nm	30-30%	01-0.1nm	A≥8	T-Transmitte	P-PM Fiber	1-1W	01-100W	25-25W	F-F Type	E=10/125 SC or PM1060L Fiber	B= Bare fiber	05-0.5m	N=Without Connector
1030-1030nm	01-1%	05-0.5nm	B≥10	S-Stripped	Blank for SM Fiber	50-50W	1-1kW	50-50W	J-J Type	Q=20/130 DC or PMDC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1064-1064nm	99-99%	10-1.0nm	C≥15	Blank for None		1000-1000W	10-10kW	1000-1000W	S-SST	R=25/250 DC or PMDC Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
1080-1080nm	80-80%	15-1.5nm	D≥20			3000-3000W	100-100kW	Blank for None	Blank for None	Blank for HI1060 or PM980 Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector