MINI GFF3004+ISO IGFF(Single Stange)

I.Product Specifications

Parameters		Unit	Specifications
Working Wavelength Range (w1)		nm	1528.05~1563.0
Extended working wavelength range (w2)		nm	1528.05~1565.3
GFF Target (Including packaging loss)		dB	See attached file
Excess Insertion Loss (After packaging)[1]	Max.	dB	0.8
Error Function (Peak to Peak)[2] @w1	Max.	dB	0.6@ 23°C
Error Function(Peak to Peak)[2] @w2	Max.	dB	0.7@23°C
Error Function Ripple (peak to peak)[4] @w1	Max.	dB	0.55@23°C
Isolation(AOT,AOP,AOW)	Min.	dB	20
Optical Return Loss @w2	Min.	dB	50
Polarization Dependent Loss@w2	Max.	dB	0.15 (0.05 Typ.)
Polarization Mode Dispersion@w2	Max	ps	0.05
Temperature Dependent Loss[3]@w2	Max.	dB	0.2

Operating Temperature	-5 ~ 75°C	Optical Power	Max. 500 mw
Storage Temperature	-40 ~ 85°C	OperatingHumidity	5 ~ 95%
Package Size	∅ 3.0+/-0.1 x L 28+/-1	Fiber Length	1.0 ± 0.1 m
Fiber Type	Corning SMF-28e Ultra 250um bare fiber.		
Fiber color code	Input port: black		
Connectors	None.		

II. Optical Parameter Definitions

1. The excess insertion Loss is defined as the insertion loss at the transmission peaks within the working wavelength range.

2 The Error Function (EF)(Peak to Peak) is the maximum difference between measured insertion loss (IL) and target insertion loss (IL) minus the minimum difference between measured insertion loss (IL) and target insertion loss (IL):

$EFp\text{-}p=Max_i\ (ABS(IL(\lambda i)_{measured}) - ABS(\ IL(\lambda i)_{target})\ ) - Min_i\ (ABS(IL(\lambda i)_{measured}) - ABS(\ IL(\lambda i)_{target})\ ),$ $i=1: n$

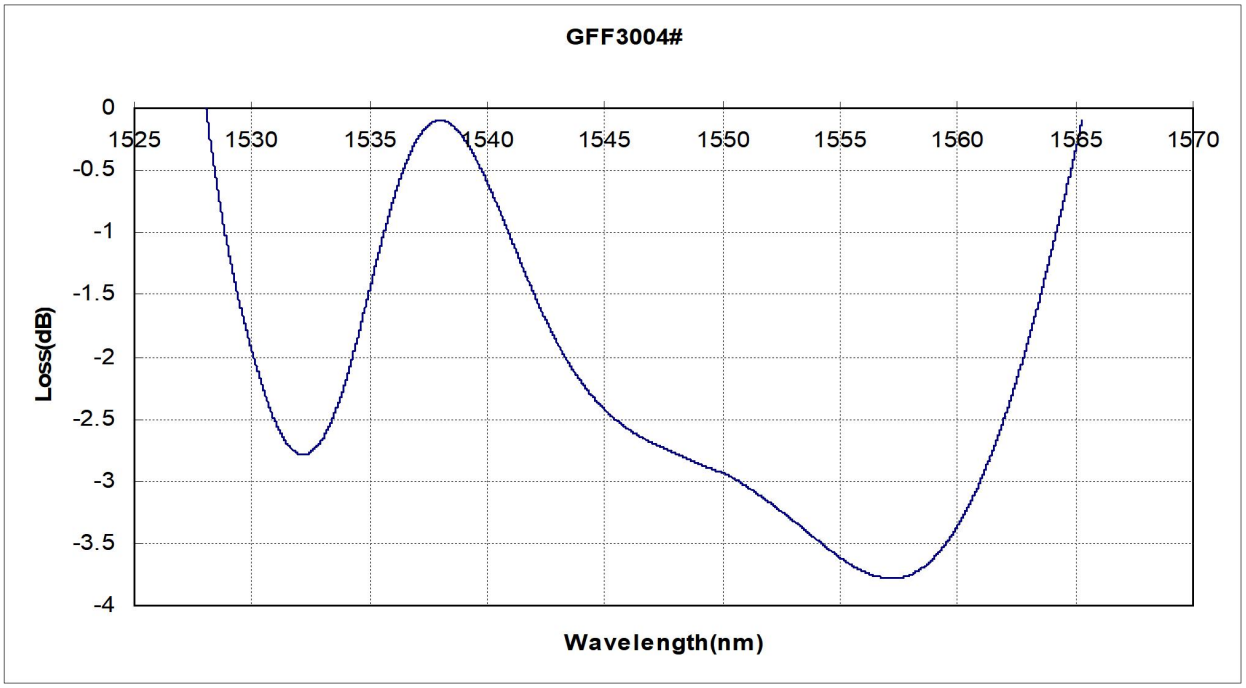
Here λi is the ith measuring point of wavelength over the working range; n is the total number of wavelength.

3. Error Function Ripple (Peak to Peak) is the absolute maximum difference between the Error function and the least-square linear curve of the error function.

III. Packaging and Laser Marking Instruction

IV. Insertion Loss Target Profile

Target Table



target.xls