

Gain Flattening Filter Module

Product type: EQ102 Series



Applications

- EDFA gain flattening for Red-band, Blue-Band, C-band
- Long-haul and Metro Network transmission

Description

- Gain Flattening Filter Module has inverse spectrum for Erbium gain profile to compensate for the Erbium's intrinsic gain profile.

Features

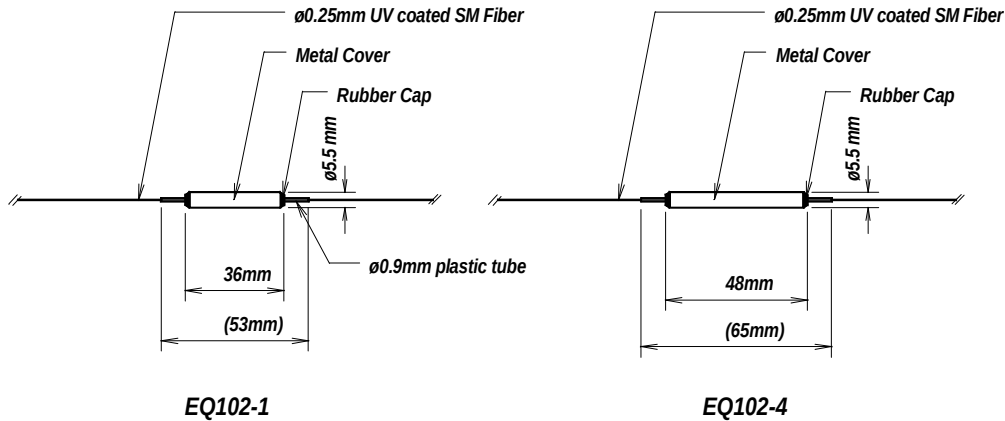
- Compact Design Package (5.5mm diameter, max. 48mm length)
- High Flexible Simulation Design Program for Profiles Customers Requested
- High Reproducibility due to Etalon-based gain flattening Method
- High Reliability using YAG Welding and Epoxy-free Optical Path
- Ripple Free

EQ102 Series Data Sheet

March, 2000

Outline Drawings

Remarks; Length of GFF Module depends on the number of Etalon sheets used in module. "n" in "EQ102-n" shows the number of Etalon sheet.



Environmental conditions

Parameter	Unit	Min	Typ	Max	Remarks
Storage Temperature	°C	-40		85	No dew condensation
Operating Temperature	°C	0		70	

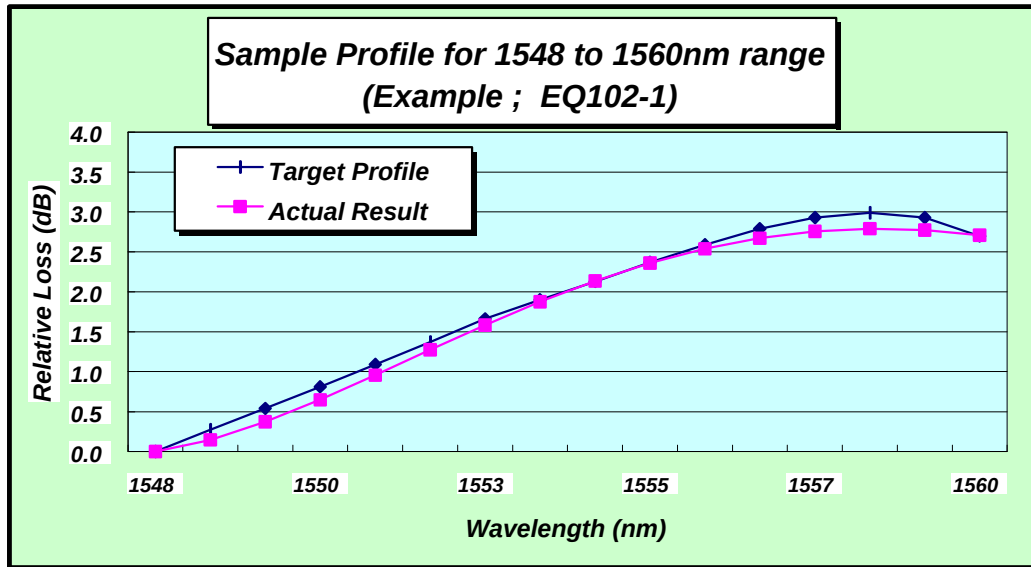
Optical Characteristics

Item	Symbol	Conditions	Min	Typ	Max	Unit
Wavelength Range ^{*1)}	λ	-	1530		1565	nm
Excess Loss ^{*2)}	EL	-		0.3 to 1.0		dB
Loss Error from Target Profile ^{*2)}	LE	-		0.2 to 0.6		dB
Temperature Dependence	TD	-		0.006		nm/°C
Polarization Dependence Loss	PDL	-		0.1		dB
Return Loss	RL	-	45			dB

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Typical performance



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Perryville Corporate Park
Perryville III
Clinton, NJ 08809
T: 908-713-3525
F: 908-713-3515
www.fiteltech.com
sales@fiteltech.com