

Model OT-SSC-Y-A Gain Flattening Filter

Features / Benefits



APPLICATIONS

- EDFA Gain Normalization

FEATURES

- All Fiber Construction
- High Reliability
- Outstanding Optical Performance
- Multiple Fiber Types Available

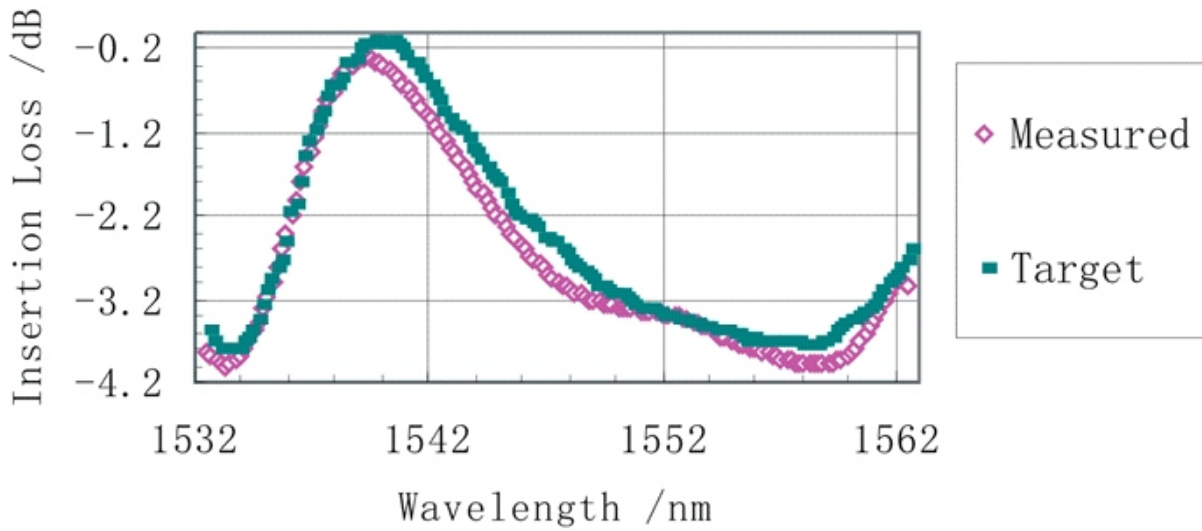
Operating Specifications

Parameter	Units	Specification
Working Wavelength	nm	C-Band, L-Band
Typ. Insertion Loss (23°C)	dB	0.5
Max. Insertion Loss (0-65°C)	dB	0.8
Typ. Insert. Loss Error Func. (23°C)	dB	0.5
Max. ILEF (0-65°C)	dB	0.7
Max. Polarization Dependent Loss	dB	0.1
Min. Return Loss	dB	50
Max. Thermal Stability	dB/°C	0.003
Max. Optical Power	mW	450
Operating Temperature	°C	0 to +65
Storage Temperature	°C	-40 to +85
Package Dimensions	mm	C: ø5.5 x 33 F: ø5.5 x 66

Qualifications and Reliability Tests

Dry Heat	85±2°C for 5000 Hours
Damp Heat	75±2°C/90±5% RH for 5000 Hours
Low Temp. Storage	-40±5°C for 5000 Hours
Water Immersion	43±2°C and PH 5.5±0.5 for 168 Hours
Temp Cycling	-40±2°C to 85±2°C for 500 cycles
Vibration	10 Hz to 2000 Hz, 1.52 mm max. amplitude, 3 axes, 2 hours per axis
Impact Test	1.8 m, 3 axes, 8 times per axis

Gain Flattening Filter (GFF)



Ordering Information

OT-SSC — Y — A — — — 9 — — — —

Coupling Ratio:
10 - 50 = 10% - 50%

Wavelength
13 = 1310 nm
15 = 1550 nm

Package (mm)
C = $\varnothing 5.5 \times 33$
F = $\varnothing 5.5 \times 66$
Z = Olson OTCP Housing

Pigtail
1 = 0.9 mm Tight Buffer
3 = 3 mm Cable

Pigtail Length
05 - 99 = 0.5 - 9.9 Meters
X = Others

Connector
FA = FC/APC
SA = SC/APC