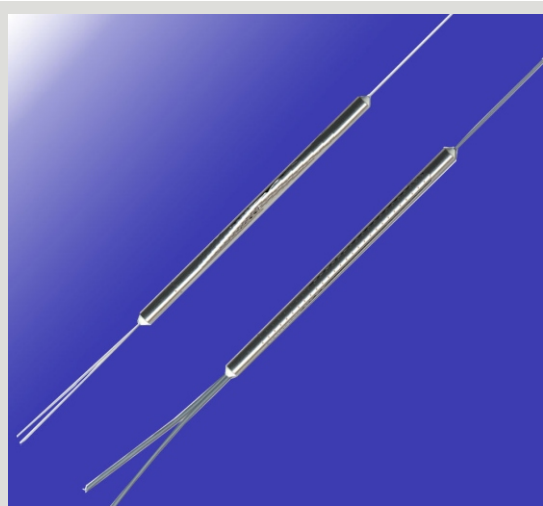


Model OT-WDM1315 1310nm/C-Band Separator

Features / Benefits



APPLICATIONS

- Fiber to the Home (FTTH)
- Local Loop
- Passive Optical Networks (PON)
- Fiber Optic CATV
- Fiber Communications System
- Fiber Optic Test Equipment
- Fiber Optic Sensing
- Local Area Networks (LAN)

FEATURES

- Epoxy Free
- Low Insertion Loss
- Outstanding Optical Performance
- Polarization Independent

Operating Specifications

Parameter	Units	Specification
Reflect Channel Wavelength (λ_r)	nm	1310±50
Pass Channel Wavelength (λ_p)	nm	C-Band, L-Band (1460-1620nm)
Pass Channel		
Typ. Insertion Loss (23°C)	dB	0.8
Max. Insertion Loss (0-65°C, SOP*)	dB	1.0
Typ. Isolation (23°C)	dB	35
Min. Isolation (0-65°C, SOP*)	dB	30
Reflect Channel		
Typ. Insertion Loss (23°C)	dB	0.8
Max. Insertion Loss (0-65°C, SOP*)	dB	1.0
Typ. Isolation (23°C)	dB	35
Min. Isolation (0-65°C, SOP*)	dB	30
Both Channels		
Max. Polarization Dependent Loss	dB	0.2
Min. Return Loss	dB	50
Max. Directivity	dB	50
Operating Temperature	°C	0 to +65
Storage Temperature	°C	-40 to +85
Package Dimensions	mm	C: \varnothing 5.5 x 33 F: \varnothing 5.5 x 36 L: 120 x 80 x 18

* SOP means all states of polarization.

Qualifications and Reliability Tests

Dry Heat	85±2°C for 2000 Hours
Damp Heat	75±2°C/90±5% RH for 2000 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 300 cycles
Vibration	10Hz to 2000Hz, 1.52mm max. amplitude, 3 axes, 4 hours per axis
Impact Test	1.8m, 3 axes, 8 times per axis

Ordering Information

OT-WDM1315 — — — 9 — — — —

- Bandwidth**
 C = C-Band
 W = Wide Band (C+L)
 X = Other (Specify)
- Fiber Type**
 9 = Corning SMF-28
 X = Other (Specify)
- Pigtail**
 0 = 250µm Fiber
 5 = 0.9mm Loose Tube
- Package (mm)**
 C = ø5.5 x 33
 F = ø5.5 x 36
 L = 120 x 80 x 18
 Z = Olson OTCP Housing
- Pigtail Length**
 05-20 = 0.5 - 2.0 Meters
 00 = Receptacle (Package L Only)
- Connector**
 FA = FC/APC
 SA = SC/APC