

OTCP-2CWDM1310-SA 1310nm/CSL-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
- Passes S-Band (1460-1530nm), C-Band (1530-1565nm) and L-Band (1565-1625nm)

Operating Specifications

Parameter	Units	Specification
Reflect Channel Wavelength (λ_c)	nm	1310±50
Pass Channel Wavelength (λ_c)	nm	S-, C-, & L-Band (1460-1625nm)

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	in.	5.5" W 1.375" H 7.625" D

* 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

OTCP-2CWDM1310—

Connector
FA = FC/APC
SA = SC/APC