

1310/1550 CWDM Band Splitter/Combiner

Brotechs offers the 1310/1550 CWDM Band Splitter/Combiner which utilize high performance thin film interference filters to provide exceptional bandpass performance. The filter WDM is a bi-directional component optimized to split or combine the traditional 1310nm signal to eight CWDM channels in the 1550nm S-C-L bands. This product offers minimal insertion loss and high isolation. It also offers stable and reliable performance over a broad temperature range. Filter WDM components are designed to comply with Telcordia GR-1209-CORE and GR-1221-CORE.

Applications

- CATV Systems
- Broadband Systems
- Optical Add/Drop Multiplexing
- Telco Networks
- Metro Networks

Features

- High Isolation
- Low Insertion Loss
- Bi-Directional
- Completely Passive
- Telcordia GR-1221 Compliant

Specifications

Parameters	1310/1550 CWDM Band Splitter/Combiner
Wavelength Range	Pass Channel 1260-1360 nm
	Reflect Channel 1460-1620 nm
Insertion Loss	Pass Channel < 1.0 dB
	Reflect Channel < 0.6 dB
Isolation	Pass Channel > 40 dB
	Reflect Channel > 15 dB
Return Loss	> 45dB
Directivity	> 50dB
PDL	< 0.2dB
PMD	< 0.2pc
Maximum Optical Power	300mW
Operating Temperature	-5°C to +65°C
Storage Temperature	-40°C to +85°C
Tensile Load(900µm Buffered)	5N Maximum

Dimensions

52.5mm x 4.6Φmm (Including Boots)
Fiber Type: SMF 28e Compatible
Pigtail Length: 1Meter (Standard)

Ordering Information

4250-0E21N3C100

