

Key Features

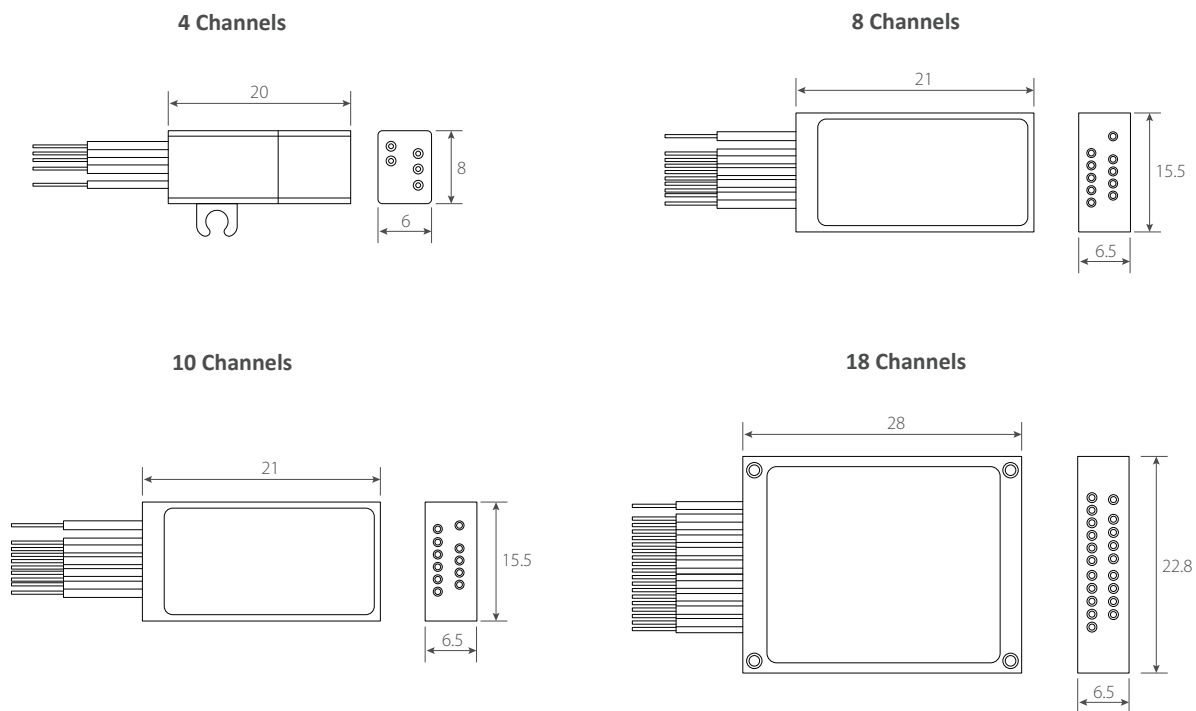
- Ultra compact
- Based on TFF and free-space technology
- Ultra low insertion
- Stable at all operating temperatures
- All fibers from the same side of the device

Applications

- Up to 18 channels that could be integrated directly into CWDM transceivers, line-card, portable CWDM testing equipment, or used as stand-alone modules for multiplexing and demultiplexing



Dimensions



Unit: mm

Parameter Specifications

	4 Channels	8 Channels	10 Channels	18 Channels
Insertion Loss	≤1.20dB	≤1.50dB	≤1.70dB	≤2.00dB
Ripple	≤0.30dB	≤0.30dB	≤0.40dB	≤0.50dB
Polarization Dependent Loss	≤0.15dB	≤0.15dB	≤0.15tdB	≤0.15dB
Channel Center Wavelengths	1271/ 1291/ 1311/ 1331/ 1351/ 1371/ 1391/ 1411/ 1431/ 1451/ 1471/ 1491/ 1511/ 1531/ 1551/ 1571/ 1591/ 1611nm			
Channel Spacing	20	20	20	20
Channel Passband	$\lambda_c \pm 6.5\text{nm}$ (Min.)	$\lambda_c \pm 6.5\text{nm}$ (Min.)	$\lambda_c \pm 6.5\text{nm}$ (Min.)	$\lambda_c \pm 6.5\text{nm}$ (Min.)
Isolation-Adjacent	≥30dB	≥30dB	≥30dB	≥30dB
Isolation-Non-adjacent	≥40dB	≥40dB	≥40dB	≥40dB
Directivity	≥50dB	≥50dB	≥50dB	≥50dB
Return Loss	≥50dB	≥50dB	≥50dB	≥50dB

Note:
The above parameters do not include a connector,
which is less than 0.2dB for a pair of connector.

Operating Conditions	4 Channels	8 Channels	10 Channels	18 Channels
Maximum Power Handling	500mW	500mW	500mW	500mW
Operating Temperature	-5°C ~ +70°C	-5°C ~ +70°C	-5°C ~ +70°C	-5°C ~ +70°C
Storage Temperature	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C	-40°C ~ +85°C
Operation Humidity	5% to 95%	5% to 95%	5% to 95%	5% to 95%
	Relative Humidity	Relative Humidity	Relative Humidity	Relative Humidity



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