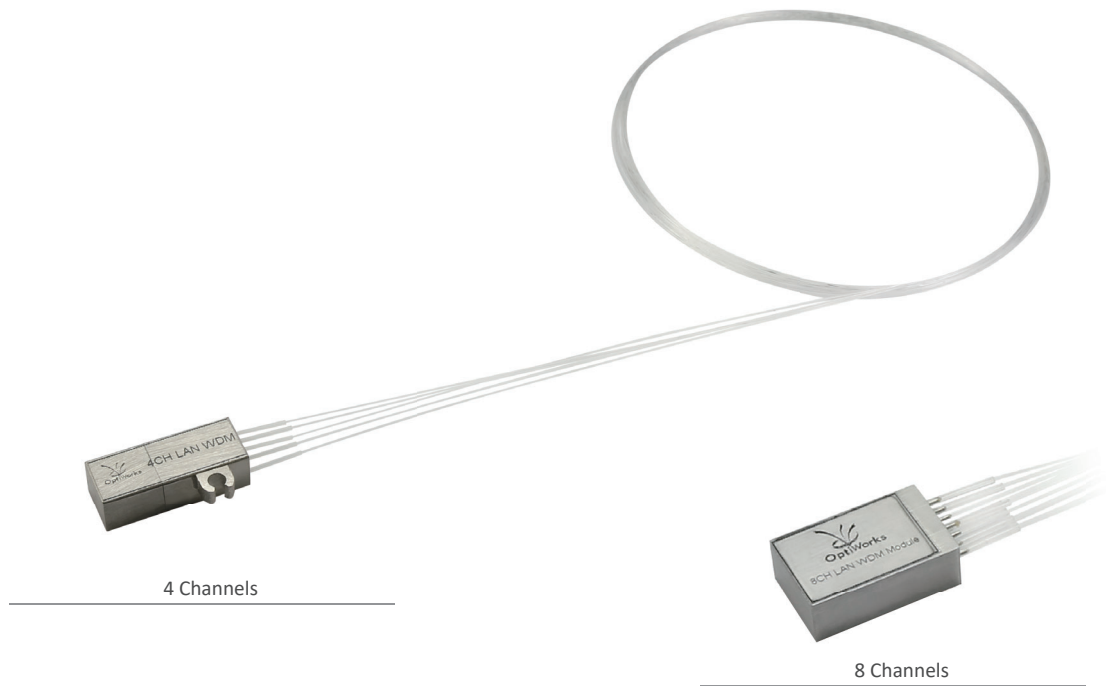


Ultra Compact WDM

LAN WDM



Key Features

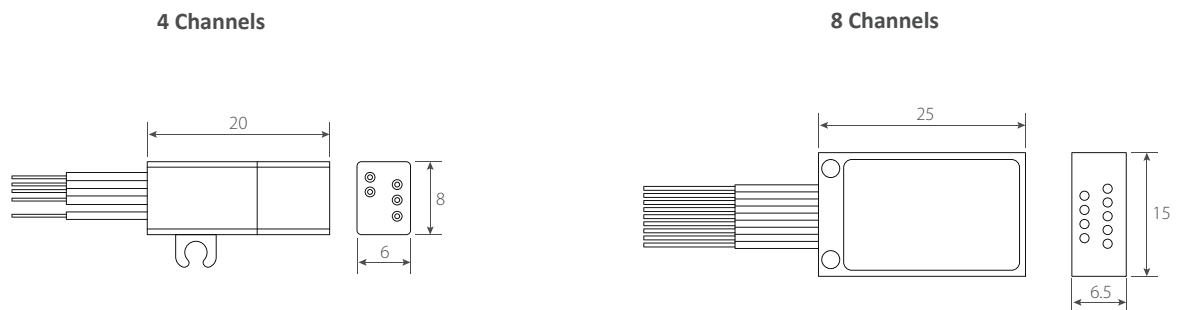
- Ultra compact
- Based on TFF and free-space technology
- Stable at all operating temperatures
- All fibers from the same side of the device
- Low insertion loss and temperature independent performance

Applications

- Ultra compact LAN WDM devices that could be integrated into CFP/CFP2 100G BASE LR4/ER4 transceivers



Dimensions



Unit: mm

Parameter Specifications

	4 Channels	8 Channels
Channel Center Wavelengths	1273.54/1277.89/1282.26/1286.66/1295.56/1300.05/1304.58/1309.14nm	
Channel Passband	$\lambda_c \pm 1.1\text{nm}$ (Min.)	
Insertion Loss	$\leq 1.30\text{dB}$	$\leq 2.20\text{dB}$
Ripple	$\leq 0.50\text{dB}$	
Polarization Dependent Loss	$\leq 0.3\text{dB}$	
Isolation-Adjacent	$\geq 30\text{dB}$	
Isolation-Non-Adjacent	$\geq 40\text{dB}$	
Directivity	$\geq 50\text{dB}$	
Return Loss	$\geq 50\text{dB}$	

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
Maximum Power Handling	500mW	
Operating Temperature	$-5^{\circ}\text{C} \sim +70^{\circ}\text{C}$	
Storage Temperature	$-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$	
Operation Humidity	5% to 95 % Relative Humidity	

