

Key Features

- Ultra-compact
- Based on TFF technology
- Stable at wide range of operating temperatures
- One side fiber feedthrough
- Low insertion loss

Applications

- Integrated into high speed multiwavelength transceivers
- Portable testing equipment



Ultra Compact WDM

Ultra Compact LAN-WDM

Parameter Specifications

Parameters	4 Channels	8 Channels	12 Channels	Units
Channel Center Wavelengths	1269.23, 1273.54, 1277.89, 1282.26, 1286.66, 1291.10			nm
	1295.56, 1300.58, 1304.58, 1309.14, 1313.73, 1318.35			
Channel Passband	$\lambda_c \pm 1.1$ (Min.)			nm
Insertion Loss	≤ 1.2	≤ 1.8	≤ 2.2	dB
Ripple	≤ 0.50			B
Polarization Dependent Loss	≤ 0.3			dB
Isolation-Adjacent	≥ 30			dB
Isolation-Non-adjacent	≥ 40			dB
Directivity	≥ 50			dB
Return Loss	≥ 45			dB
Dimension	21 x 12 x 6.5	21 x 15.5 x 6.5	25 x 18 x 6.5	mm

Note:

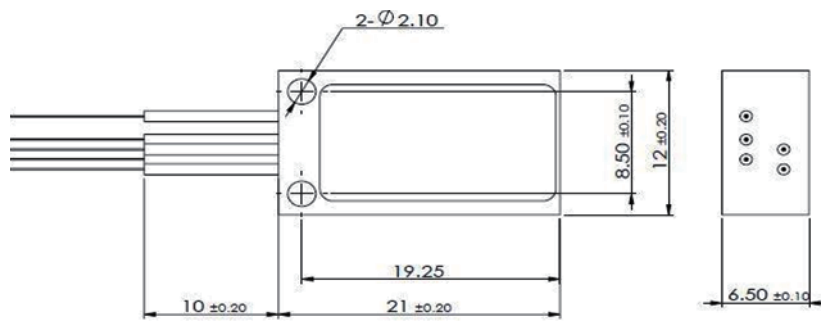
- The above specs exclude connector loss, each pair of connectors adds 0.2dB

Operating Conditions

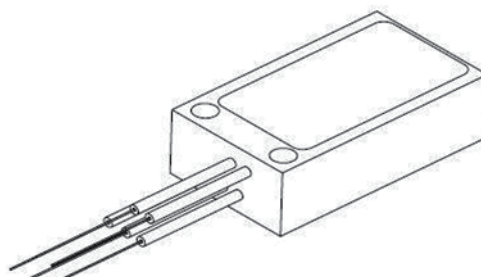
Parameters	4 Channels	8 Channels	Units
Maximum Power handling	500		mW
Operating Temperature	-5 ~ +70		°C
Storage Temperature	-40 ~ +85		°C
Operation Humidity	5 to 95 % Relative Humidity		

* Contact us for your Industrial temperature application.

Mechanical Dimensions



4 Channels

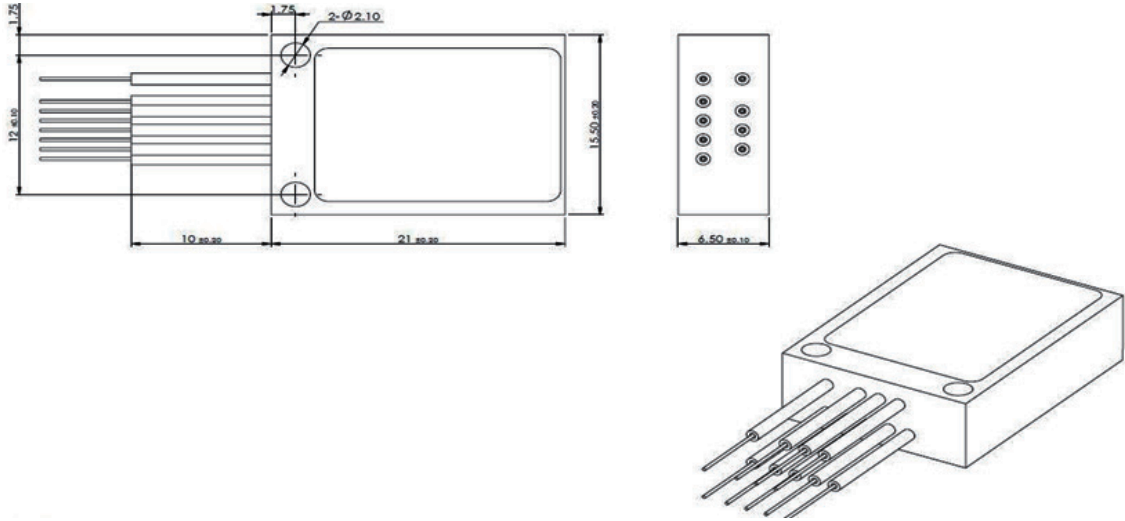


Unit: mm

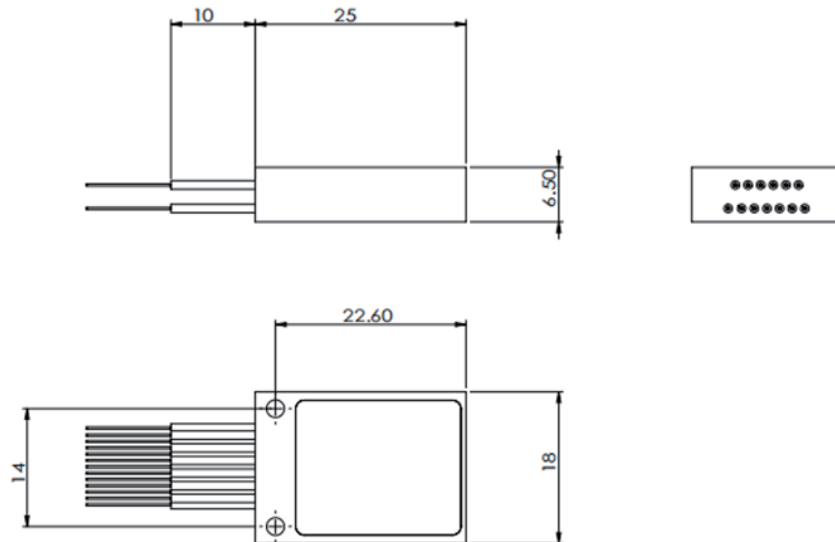
Ultra Compact WDM
Ultra Compact LAN-WDM

Mechanical Dimensions

8 Channels

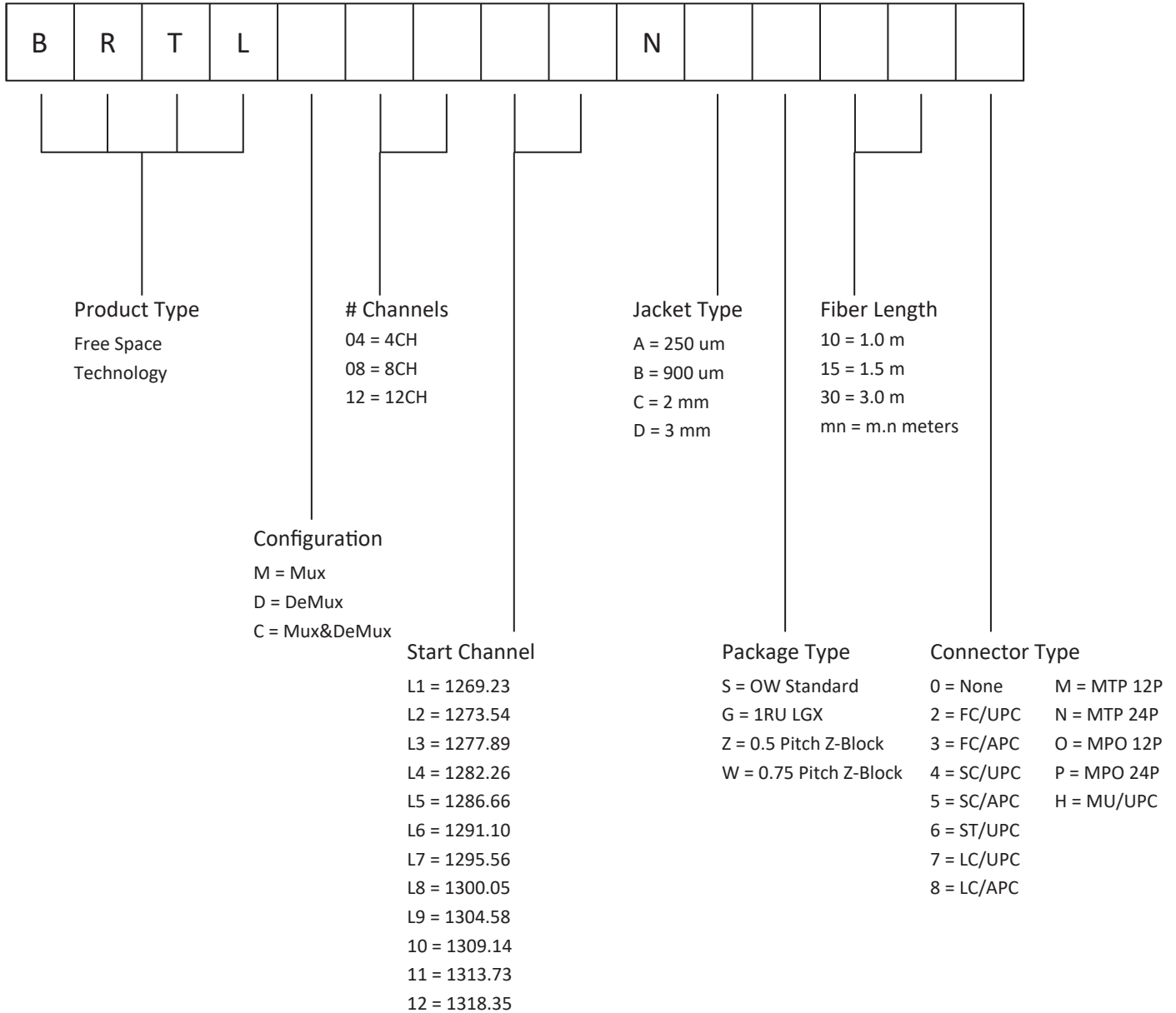


12 Channels



Unit: mm

Part Number Scheme: Ultra Compact LAN-WDM Modules



The characteristic of LWDM working wavelength is that it is located near zero dispersion, with small dispersion and good stability. At the same time, LWDM can support 12-wave 25G to increase the capacity and save fiber.