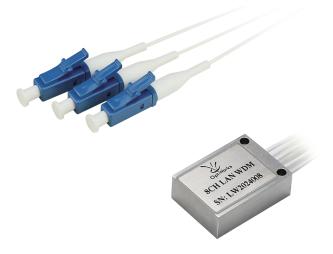


# Ultra Compact WDM

# **Ultra Compact LAN-WDM**



#### **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



**Optical Fiber Communications** 

# Ultra Compact WDM Ultra Compact LAN-WDM



Parameter Specifications				
Parameters	4 Channels	8 Channels	12 Channels	Units
	1269.23, 1273.54, 1277.89, 1282.26, 1286.66, 1291.10			
Channel Center Wavelengths	1295.56, 1300	nm		
Channel Passband		$\lambda c \pm 1.1$ (Min.)		nm
Insertion Loss	≤1.2	≤1.8	≤2.2	dB
Ripple		≤0.50		В
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:

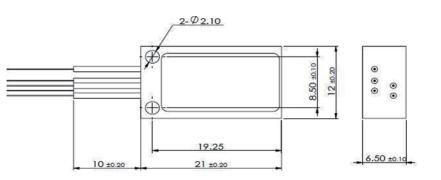
1. The above specs exclude connector loss, each pair of connectors adds 0.2dB

### **Operating Conditions**

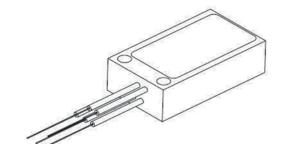
Parameters	4 Channels 8 Channels	Units		
Maximum Power handling	500	mW		
Operating Temperature	-5 ~ +70	°C		
Storage Temperature	-40 ~ +85	°C		
Operation Humidity	5 to 95 % Relative Humidity			

\* Contact us for your Industrial temperature application.

### **Mechanical Dimensions**

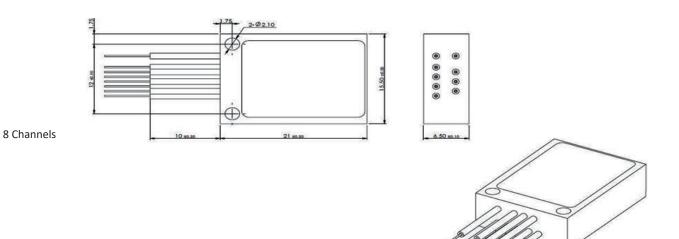


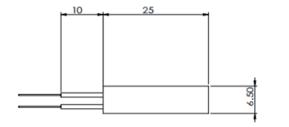
4 Channels





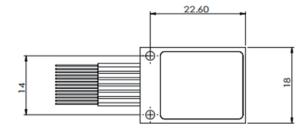
### **Mechanical Dimensions**







12 Channels

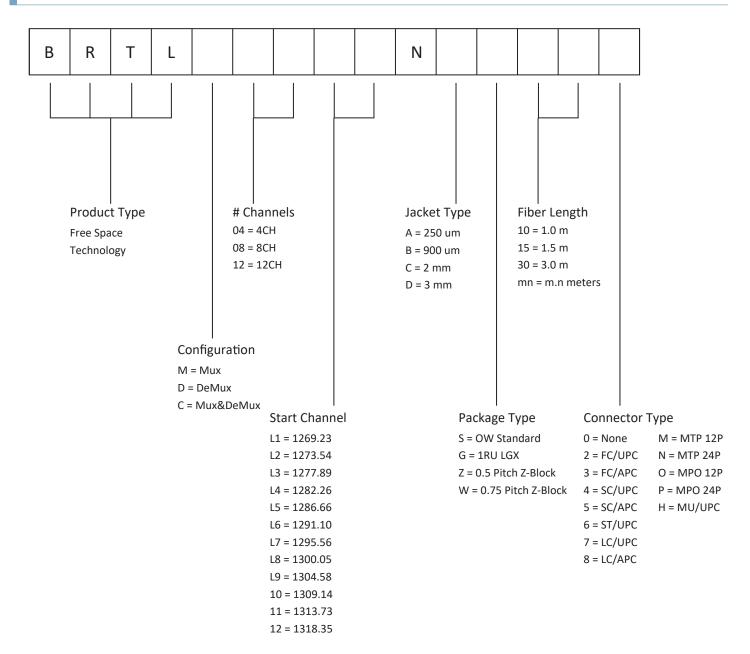


Unit: mm

# **Ultra Compact WDM Ultra Compact LAN-WDM**



#### 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.

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