

CMUX-4MUX-SMC-51-57-SKY

4 Channel CWDM Slim MUX CARTRIDGE, 1511nm-1571nm, with 1310 Port

Product Description

This is a CWDM slim 4-channel mux cartridge that operates over wavelengths 1511nm, 1531nm, 1551nm, and 1571nm. It also includes a 1310 port. This unit can be used as either a multiplexer or de-multiplexer (mux/demux), and is a plug and play system. All of our mux/demux products are 100% compliant and provide a cost effective solution for your network upgrade needs. With our certification test program, we guarantee your product will work correctly the first time.

Features:

- CWDM Slim Mux
- Multiplexer or DeMultiplexer (Mux/Demux)
- With 1310 Port
- UPC/LC Adapters

For your product safety, please read the following information carefully before any manipulation of the transceiver:



ESD

This transceiver is specified as ESD threshold 1kV for SFI pins and 2kV for all others electrical input pins, tested per MIL-STD-883G, Method 3015.4 /JESD22-A114-A (HBM). However, normal ESD precautions are still required during the handling of this module.



LASER SAFETY

This is a Class1 Laser Product according to IEC 60825-1:2007. This product complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice No. 50, dated (June 24, 2007).

The optical ports of the module need to be terminated with an optical connector or with a dust plug in order to avoid contamination.

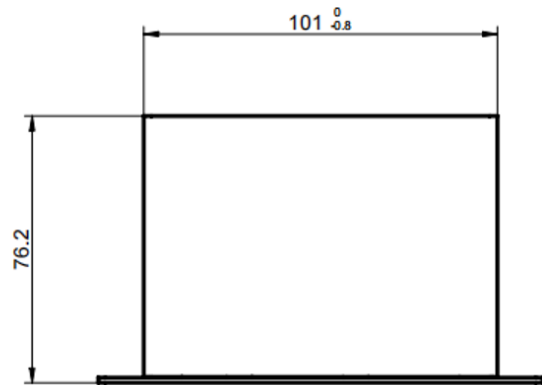
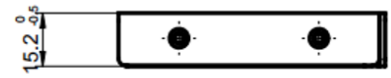
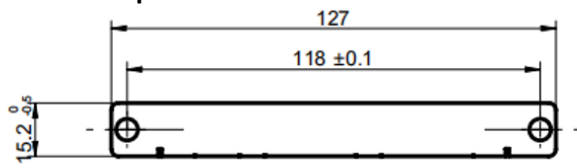
Specifications

Parameter		Specifications	Unit
Channel Number		4	
Channel Space		20	nm
Operating Wavelength		1260 to 1620	nm
Central Wavelength (λ_c)		1511/1531/1551/1571	nm
Express Port Wavelength Range		1260~1497.5	nm
Channel Passband		$\lambda_c \pm 6.5$ (Minimum)	nm
Passband Ripple		≤ 0.50	dB
Insertion Loss	CWDM Channel	≤ 2.0	dB
	Express Port	≤ 1.8	dB
Adjacent Channel Isolation		≥ 30	dB
Non-Adjacent Channel Isolation		≥ 45	dB
Polarization-Dependent Loss		≤ 0.20	dB
Polarization-Mode Dispersion (DG)		≤ 0.10	ps
Return Loss		≥ 45	dB
Directivity		≥ 50	dB
Power Handling		≤ 300	mW
Operating Humidity		5~95	%
Operating Temperature		0 to 70	°C
Storage Temperature		-40 to 85	°C
Fiber Type		G657A1 Fiber	
Connector Type		LC/UPC	

Faceplate Layout



Mechanical Specifications



About Skylane Optics

Skylane is a leading provider of transceivers for optical communication.

We offer an extensive portfolio for the enterprise, access, datacenter and metropolitan fiber optical market as well as for smart home applications and home networks.

We cover the European, South American and North American market with a strong partner network and have offices in Belgium, Brazil, Sweden and USA.

Our offerings are characterized by high quality and performance. In combination with our strong technical support, we enable our customers to build cost optimized network solutions.

We offer an extensive range of high-quality products including transceivers (Optical and copper), Active Optical Cable (AOC), Direct Attach Cable (DAC), Mux/Demux, Coding Box.

