



Product Name	GAOTek Mux Demux Module CWDM
Product SKU	GAOTek-MDX-103
Product URL	https://gaotek.com/product/gaotek-mux-demux-module-cwdm/

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Introduction

The GAOTek Coarse wavelength division multiplexer (CWDM Mux/Demux) utilizes thin film coating technology and proprietary design of non-flux metal bonding micro-optics packaging. It provides low insertion loss, high channel isolation, wide pass band, low-temperature sensitivity, and epoxy-free optical path.

GaoTek CWDM products include bare single CWDM devices packed in glass tube or stainless-steel tubes, CWDM Mux /Demux modules packed in ABS boxes up to 16-channel or even 18-channel Multiplexing on a single fiber or CWDM modules packed in standard 19" 1U rackmount. Due to the low insertion loss needed in WDM networks, we can also add a "Skip Component" in a CWDM Mux/Demux module to reduce the IL as an option. Standard CWDM Mux/Demux package types include Glass tube, stainless steel tube, ABS box package, LGX package, and 19" 1U rackmount.



Technical Specifications

Parameters		16 Channels
Insertion Loss(dB)		$\leq 4.8\text{dB}$ $\leq 3.8\text{dB}$ (with skip filter)
CWDM Central Wavelengths [λ_c] (nm)		1260-1620
Passband (@-0.5dB bandwidth)(nm)		± 7.5
Isolation	Adjacent Channel	> 30
	Non-Adjacent Channel	> 45
Polarization Dependent Loss (dB)		< 0.10
Polarization Mode Dispersion (ps)		< 0.10
Return Loss (dB)		> 45
Directivity (dB)		> 50
Maximum Optical Power (mw)		500
Operating Temperature ($^{\circ}\text{C}$)		-20 ~ +75
Storage Temperature ($^{\circ}\text{C}$)		-40 ~ +85
Fiber Type		Corning SMF-28 900um
Connector		LCUPC
Package Dimension (mm)		130*100*29

Product Specifications

- Low Insertion Loss
- Wide pass band
- High Channel Isolation
- High Stability and reliability
- Epoxy-free on Optical Path
- Access Network

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Product Application

- Line Monitoring
- WDM Network
- Telecommunication
- Cellular Application
- Fiber Optical amplifier
- Access Network

Product Appearance



Product Packaging Information

Qty per carton	Carton size
30pcs	55x30x32cm

Note: Package may change without notice.

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