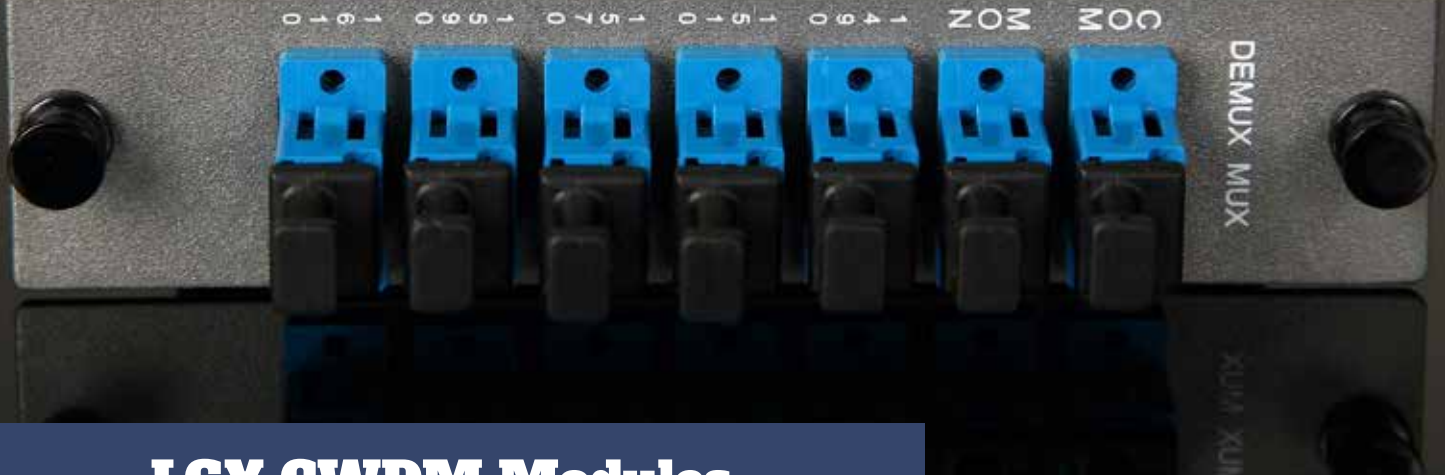


# MEGLADON<sup>®</sup>

MANUFACTURING GROUP, LTD

A TyRex Technology Family Company



## LGX CWDM Modules

### *The Megladon Difference*

Megladon **CWDM Modules** are custom built to support our customer's single fiber transmission needs. We utilize all major glass types and connectors, build within the LGX footprint, and create bi-directional modules. By maximizing the quantity of CWDMs per module, we provide dense and scalable solutions for our customers.

**For more information on Megladon's HLC<sup>®</sup> process and products, please visit [megladonmfg.com](http://megladonmfg.com).**

### KEY BENEFITS

- ✓ Standard Connector Types available
- ✓ Customizable Wavelength Configurations
- ✓ LGX Standard Footprint
- ✓ Bi-Directional Modules

### APPLICATIONS

- ▶ Single Fiber Transmission Density
- ▶ Multiple Dwelling Units
- ▶ Cell Backhaul
- ▶ Capacity Expansion



MEGLADON MANUFACTURING GROUP LTD.  
CERTIFIED TO ISO 9001:2015  
CERTIFICATE NO. 1992026

# LGX CWDM Modules



## PERFORMANCE SPECIFICATIONS

Megladon LGX CWDM Modules SM 2 CH CWDM x 4 LGX Single Slot		
Parameter	Value	Unit
Channel Number	2	
Center Wavelength	1310 - 1550	nm
Center Wavelength Accuracy	≤+/-1.0	nm
Channel Spacing	20	nm
Passband	+/-7.0	
Insertion Loss without Connector	≤0.8	db
Insertion Loss with Connector	≤1.2	db
Adjacent Channel Isolation	≥30	db
Non-Adjacent Channel Isolation	≥40	db
Ripple (Passband)	≤0.3	db
Polarization Dependent Loss	≤0.10	db
Directivity	≥50	db
Return Loss	≤-50	db
Operation Temperature	-40~+70	deg. C
Storage Temperature	40~+85	deg. C
Connector Type	SCAPC	
Package Dimension	With 1U LGX Box	

Megladon LGX CWDM Modules SM 3 CH CWDM x 3 LGX Single Slot		
Parameter	Value	Unit
Channel Number	3	
Center Wavelength	1310, 1470, 1490	nm
Center Wavelength Accuracy	≤+/-1.0	nm
Channel Spacing	20	nm
Passband	+/-7.0	
Insertion Loss without Connector	≤1.8	db
Insertion Loss with Connector	≤2.2	db
Adjacent Channel Isolation	≥30	db
Non-Adjacent Channel Isolation	≥40	db
Ripple (Passband)	≤0.5	db
Polarization Dependent Loss	≤0.20	db
Directivity	≥50	db
Return Loss	≤-50	db
Operation Temperature	-40~+70	deg. C
Storage Temperature	40~+85	deg. C
Connector Type	SCAPC	
Package Dimension	With 1U LGX Box	

**MEGLADON**<sup>®</sup>  
MANUFACTURING GROUP, LTD

**Your Fiber Optic Solutions Partner • Reliable - Rugged - Repeatable**

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