

MEGLADON[®]

MANUFACTURING GROUP, LTD

A TyRex Technology Family Company



2X8CH Compact CWDM

The Megladon Difference

The custom **2x8CH Compact CWDM** was designed to support the ultra-dense CWDM needs of cell backhaul and DAS deployments. Each module contains two 8ch CWDMs for a total potential capacity of 38 CWDMs per 2U rack space. This level of density provides space savings and future expansion opportunities. Megladon is capable of designing custom CWDM solutions for any deployment criteria.

For more information on Megladon's HLC process and products, please visit megladonmfg.com.

KEY BENEFITS

- ✓ Extreme density, Qty. 38
8ch CWDMs per 2RU
- ✓ Customizable wavelengths
& channel counts
- ✓ Mounting racks single or dual-sided
- ✓ Racks include built-in cable management

APPLICATIONS

- ▶ CATV (Cable Television)
- ▶ Broadband Networks
- ▶ Head Ends
- ▶ Remote Telecom Distribution Hubs



MEGLADON MANUFACTURING GROUP, LTD.
CERTIFIED TO ISO 9001:2015
CERTIFICATE NO. 1088258

2X8CH Compact CWDM



PERFORMANCE SPECIFICATIONS

Megladon CWDM Modules - Singlemode (SM) 8 CH CWDM x 2 Module, 2u Frame

Parameter	Value	Unit
Channel Number	8	
Center Wavelength	1450, 1470, 1490, 1510, 1530, 1570, 1590, 1610	nm
Center Wavelength Accuracy	≤±1.0	nm
Channel Spacing	20	nm
Passband	+/-6.5	
Insertion Loss without Connector	≤2.7	db
Insertion Loss with Connector	≤3.5	db
Insertion Loss with Connector (Pair)	≤4.0	db
Monitor Port IL without Connector	≤15.2	db
Monitor Port IL with Connector (demux)	≤15.5	db
Monitor Port IL with Connector (mux)	≤18.7	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	LC	
Package Dimension	Custom 23x82x140mm Box	
Modules per 2u Frame	19	

MEGLADON[®]
MANUFACTURING GROUP, LTD

Your Fiber Optic Solutions Partner • Reliable - Rugged - Repeatable

12317 Technology Blvd., Ste. 100 • Austin, Texas • (512) 491-0006 • megladonmfg.com