



Eight-Channel Coarse WDM (CWDM) Multiplexer and Demultiplexer

The Tsunami[™] Mini-MetroChannel[™] M-8 and D-8 are eight-channel coarse WDM (CWDM) multiplexer and demultiplexer modules designed for integration into metro and access optical communication networks. The multiplexer module combines eight wavelengths (channels) traveling in eight separate singlemode fibers into one singlemode fiber, while the demultiplexer module separates eight wavelengths traveling in one singlemode fiber into eight wavelengths, each traveling in a separate singlemode fiber. The unique and highly integrated design of the Mini-MetroCHANNEL™ offers a very small form factor and very low insertion loss to support a higher degree of integration and long link length. The modules operate independent of data rate and protocol, and are designed to work with uncooled lasers having wavelengths spaced 20 nm apart. Deployed in CWDM architectures, Tsunami's Mini-MetroCHANNEL™ modules provide unsurpassed small form factor as well as an ideal balance of price and performance for multiplexing and demultiplexing in metro and access networks.

features & benefits)

Small footprint

Multiplexes or demultiplexes 8 channels with 20 nm separation and 13 nm bandwidth

Designed for use with uncooled lasers

Thin film filter technology enables cost-effective performance

Operate independent of protocol and data rate

Low insertion loss supports long links

High channel isolation minimizes cross-talk

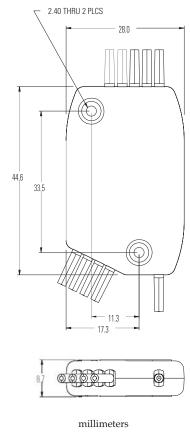
Qualified in accordance with applicable Telcordia and NEBS standards

Specifications

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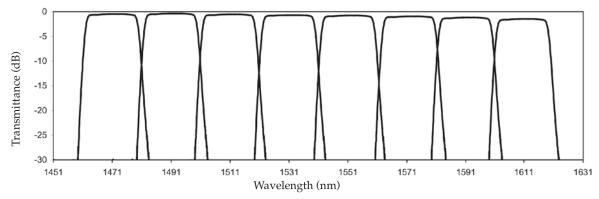
MUX		DEMUX
	1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm	
	20 nm	
	≥13 nm	
	≤ 1.5 dB	
	≤ 2.5 dB	
	≥ 50 dB	
_		≥ 30 dB
_		≥ 50 dB
	≤ 0.5 dB	
	300 mW max	
	≤ 0.1 dB	
	0.005 nm/°C	
Corning® SMF-28™ (9 / 125 / 250 micron) Connectorized pigtails have 900 micron buffer.		
	1 m ± 5 cm	
	- 10°C to +65°C	
	- 40°C to +85°C	
	44.6 x 28.0 x 8.7 mm [1.76 x 1.10 x .34 in]	
		1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm 20 nm ≥ 13 nm ≤ 1.5 dB ≤ 2.5 dB ≥ 50 dB - - ≤ 0.5 dB 300 mW max ≤ 0.1 dB 0.005 nm/°C Corning® SMF-28™ (9 / 125 / 250 micr Connectorized pigtails have 900 micron bigging to the connectorized pigtails ha

Specifications do not include connectors. The modules are tested in accordance with applicable Telcordia™ 1209, Telcordia 1221 and NEBS standards. Please contact Tsunami to discuss specific performance requirements.

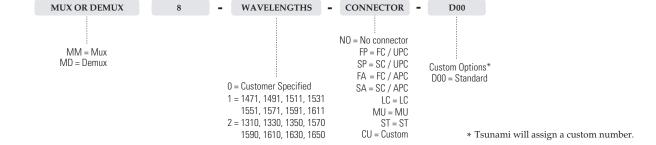


(approximate scale 1:1)

Transmittance (Demux)



Part Number



For additional information, please contact Tsunami's Sales Department at sales@tsunamioptics.com 980 Linda Vista Avenue • Mountain View, CA 94043 (ph) (650) 940-6800 • (fx) (650) 940-6802 • www.tsunamioptics.com

