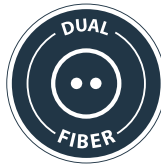


Features:

- 2 Channel
- Channel Wavelengths: CWDM 1590 - 1610 nm + Express
- Channel Spacing: 20 nm
- Extended 1550 Pass Band Wavelengths: 1260 nm - 1580 nm
- Reliability: Telcordia GR-1209, GR-1221
- Max Power Handling: 300 mW



- Connector Type - All Ports: LC/UPC
- Operating Temperature: -40 - 85°C
- Dimensions: 130 mm x 130 mm x 28.5 mm
- Storage Temperature: -40 - 85°C



1. Optical Requirements

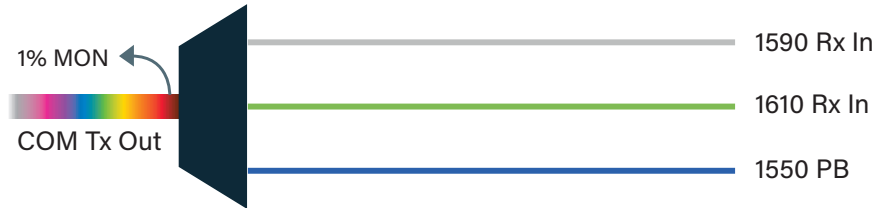
Parameter	Value
Passband, Channel Ports (Min.)	$\geq \text{ITU} \pm 6.5 \text{ nm}$
Passband, Extended Port (Min.)	$\geq 1260 - 1580 \text{ nm}$
Passband Ripple (Max.)	$\leq 0.5 \text{ dB}$
Isolation, Adjacent Channel - CWDM (Min.)	$\geq 30 \text{ dB}$
Isolation, Non-Adjacent Channel - CWDM (Min.)	$\geq 40 \text{ dB}$
Isolation, Extended Passband Channel (Min.)	$\geq 30 \text{ dB}$
Return Loss - All Ports (Min.)	$\geq 45 \text{ dB}$
Directivity - Channel Ports (Min., Including Connectors)	$\geq 45 \text{ dB}$
Polarization Dependent Loss (Max.)	$\leq 0.2 \text{ dB}$
Polarization Mode Dispersion (Max.)	$\leq 0.2 \text{ ps}$

2. Insertion Loss

Parameter	Value
CWDM Channel Insertion Loss (Max., Incl. Connectors)	$\leq 1.3 \text{ dB}$
Extended Passband Insertion Loss (Max., Incl. Connectors)	$\leq 1.6 \text{ dB}$
MON Port Insertion Loss (Max., Incl. Connectors)	24.1 dB / 22.5 dB

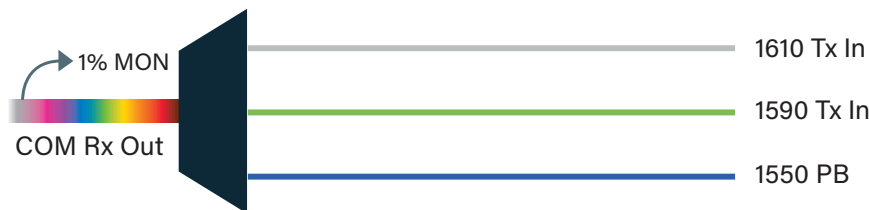
3. Network Diagram

Mux



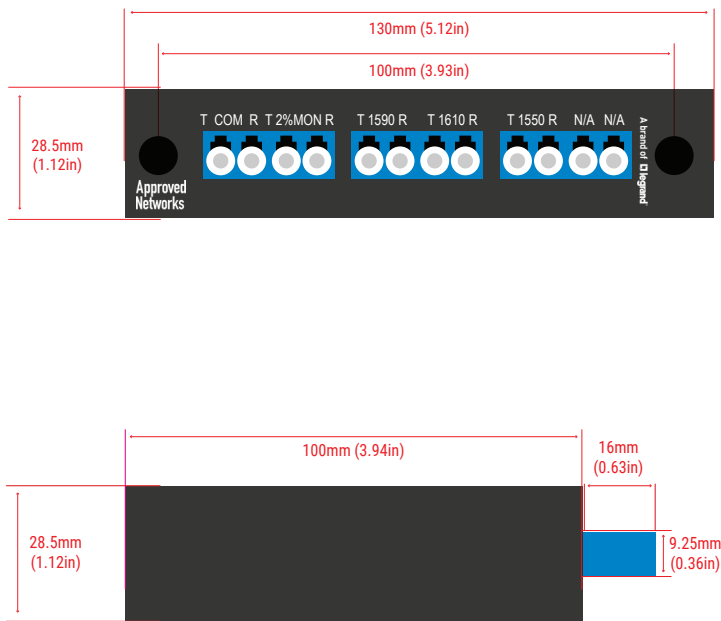
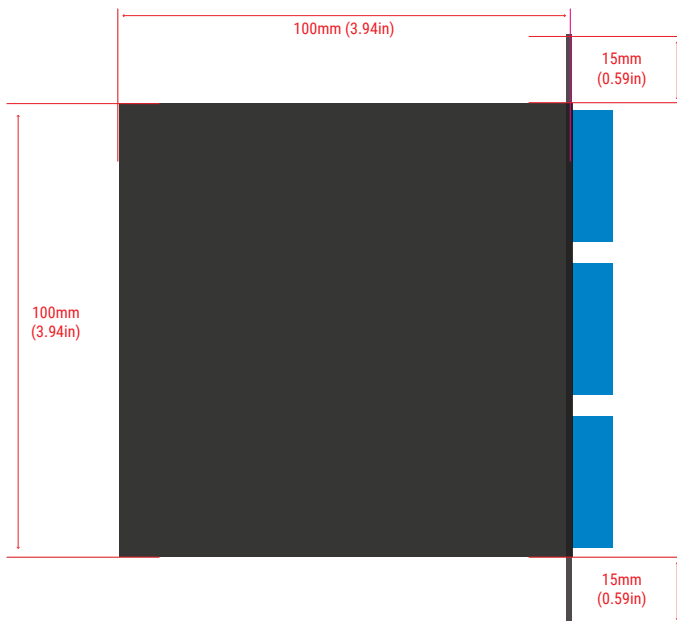
Channel	Typical	Max
1590 nm	0.8	1
1610 nm	1.1	1.3
1550 PB	1.4	1.6

Demux



Channel	Typical	Max
1590 nm	0.8	1
1610 nm	1.1	1.3
1550 PB	1.4	1.6

4. Mechanical Diagram



5. Contact Information

Tel: 800.590.9535

Web: <http://www.approvednetworks.com>