

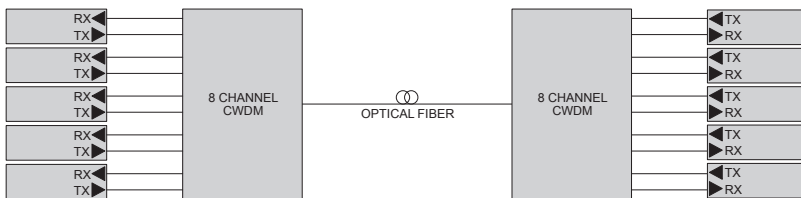
907-CWDM

Coarse Wave Division Multiplexers

Description

The model 907 series of CWDMs combine multiple media converters or multiplexer motherboards onto a single fiber-optic cable. All CWDM cards are ITU-T G.694.2 compliant, passive (no electrical power required), and perform as both an optical multiplexer and optical de-multiplexer, allowing for bidirectional communication. They are form factor compatible with the 907 products and can be added to an existing stack, providing an upgrade path for additional functionality.

A 2-channel with a 1310/1550 nm bypass, 4-channel and 8-channel versions are available. The 2-channel version allows for simple expansion of an existing 1310/1550 nm Focal™ system.

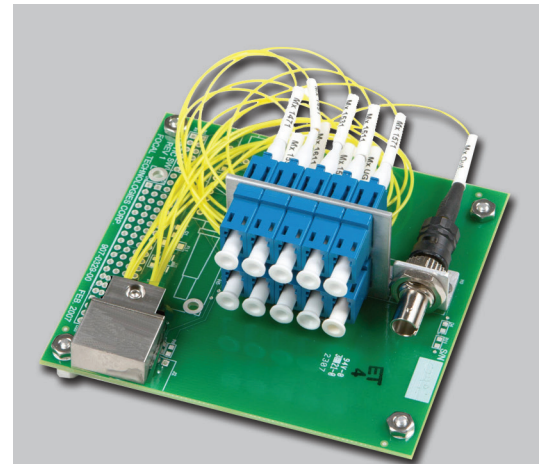


Features

- Modular design
- Passive optics
- Compatible with all Model 907 products
- Available in 2-channel with bypass (907-CWDM), 4-channels (907CWDM4), or 8-channels (907-CWDM-8)
- Rugged design for harsh environments, including pressure tolerant version

Benefits

- Reduces the number of fibers required in cables and rotary joints
- Modular format allows for future upgrades and channel expansion



Model 907

Typical Applications

- Modular subsystems for Remote Operated Vehicles (ROVs)
- Multiple HD camera systems
- Imaging sonar systems
- Defense and security networks

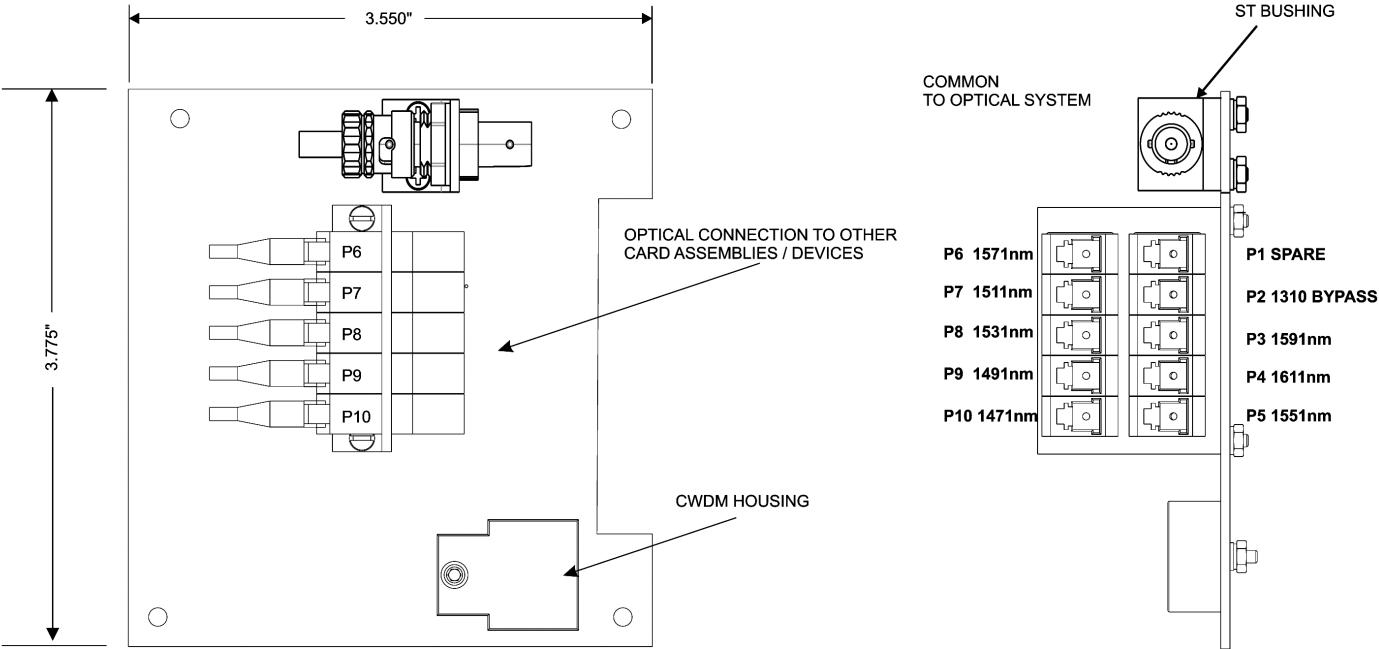
Model 907 Datasheet

Model 907

Optical	
Fiber Type	Singlemode (9/125 μm) Multimode (50/125 μm)
Center Wavelength	2-channel: 1310/1550, 1471, 1491 nm 4-channel: 1471, 1491, 1511, 1531 nm 8-channel: 1471, 1491, 1511, 1531, 1551, 1571, 1591, 1611 nm
Channel Spacing	20 nm
Isolation	> 30 dB
Return Loss	> 45 dB
Insertion Loss	2-channel: < 2.5 dB 4-channel: < 2.5 dB 8-channel: < 3 dB
Options	Other wavelengths available, optional bypass port

Mechanical	
Dimensions	PC/104 (form-factor only)
Weight	< 120 g (0.25 lb)
Options	Custom enclosures, other form-factors available
Connectors	
Common	ST standard
To Cards	LC standard
Options	FC/PC
Environmental	
Temperature	0°C to +70°C (operational) -40°C to +85°C (storage)
Humidity	85% RH, non-condensing
Vibration	5 g, 25 - 1000 Hz, 3 axes
Shock	30 g, 11 ms half sine, 3 axes
Options	6000 psi pressure tolerant version, extended temperature, stress screened or qualified

907-CWDM Dimensions (8-channel version shown)



Dimensions in inches [millimeters]

Note: These are standard commercial products that are available with many options or configurations not explicitly shown.