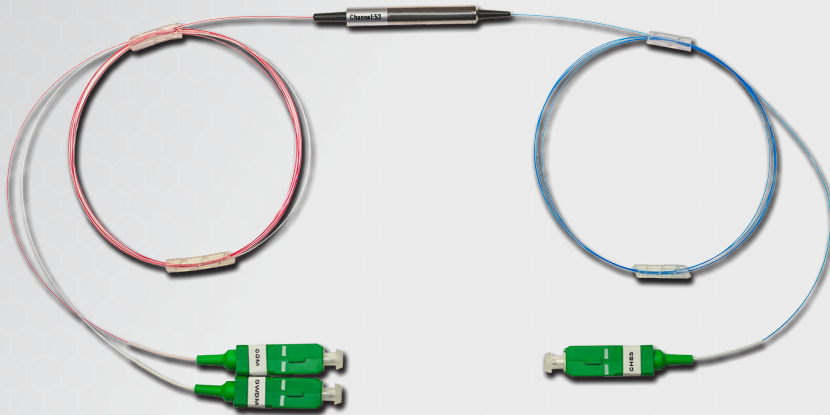


DIGICOMM DWDM OPTICAL ADD/DROP MULTIPLEXERS (OADM)

FEATURES

- Steel-Tube style for mounting in FOSC enclosures or fiber trays in optical nodes
- ITU Channels 20-62
- Supports the channel plans of major optical transport manufacturers
- .250 or .900mm pigtails
- SC/APC connectors
- Low Insertion Loss
- High Isolation
- High Directivity
- IN STOCK (No Lead-Times)

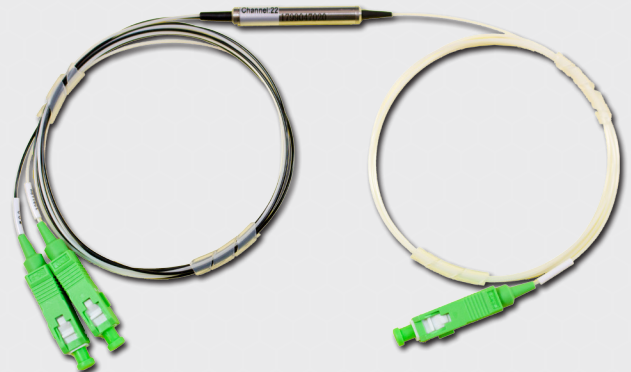


.Shown with .250mm pigtails

OVERVIEW

Digicomm's family of DWDM Optical Add/Drop Multiplexers are designed to maximize the capacity of existing fiber optic networks, which greatly reduces the need to construct new fiber optic plant. They provide flexibility, along with industry leading specifications.

Digicomm's Optical Add/Drop Multiplexers use the standard ITU channel plan (ITU G.694.1) and operate between ITU channels 20 and 62. They are a steel-tube style that can be mounted inside of a standard fiber optic splice case or an optical node. Pigtails are available in either .250 or .900mm, and are 1M in length.



.Shown with .900mm pigtails



SPECIFICATIONS

Optical	
Central Wavelength	DWDM; ITU Channels 20-62
Channel Spacing	100 GHz
Passband	Channel Ports (Min.) >0.3 nm
Insertion Loss (typical)	Pass Channel: 1.0 dB
	Reflection Channel: 0.6 dB
Pass Band Ripple	0.3 dB
Isolation	Adjacent Channel (min.) 30 dB
	Non-Adjacent Channel (min.) 40 dB
Return Loss (incl.connectors)	All Ports: 45 dB
Directivity	Channel Ports (Min.) 50 dB
Polarization Dependent Loss (Max.)	0.2 dB
Polarization Mode Dispersion (Max.)	0.2 ps
Maximum Optical Power (Max.)	300 mW

Environmental	
Operating Temperature	-10°C to +75°C
Storage Temperature	-40°C to +85°C
Reliability	Telcordia GR-1209, GR-1221

Mechanical	
Package Size	5.5*38mm steel tube
Fiber Type	SMF-28 or equivalent
Fiber Proof Test	> 100 kpsi
Pigtail Length	1000mm (+/- 50mm)
Connector Type	SC/APC

