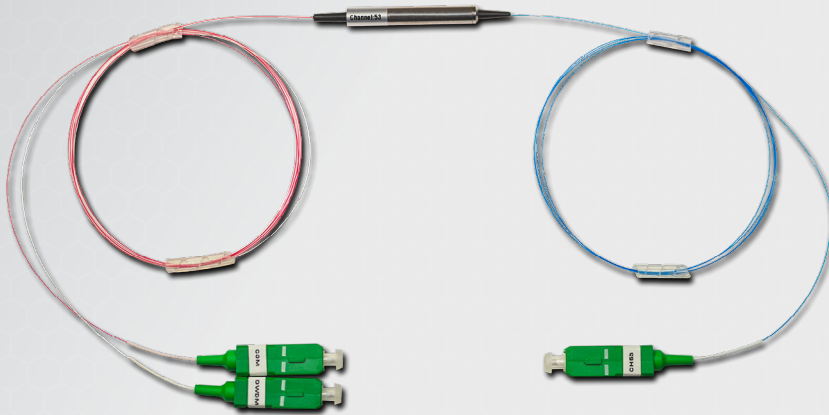


DIGICOMM DWDM OPTICAL ADD/DROP MULTIPLEXERS (OADM)

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
- Extensive Inventory IN-STOCK at our Distribution Center in Englewood, CO

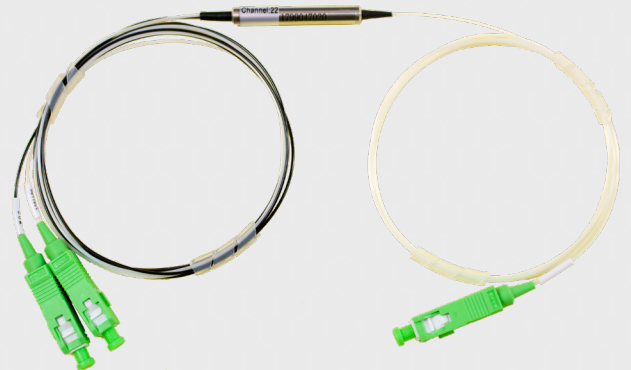


.Shown with .250mm pigtails

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



ORDERING INFORMATION FOR .250MM PIGTAILS

PART NUMBER	DESCRIPTION
SCF-ST-DWDM-20-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 20, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-21-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 21, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-22-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 22, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-23-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 23, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-24-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 24, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-25-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 25, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-26-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 26, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-27-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 27, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-28-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 28, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-29-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 29, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-30-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 30, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-31-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 31, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-32-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 32, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-33-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 33, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-34-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 34, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-35-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 35, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-36-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 36, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-37-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 37, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-38-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 38, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-39-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 39, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-40-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 40, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-41-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 41, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-42-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 42, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-43-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 43, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-44-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 44, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-45-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 45, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-46-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 46, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-47-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 47, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-48-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 48, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-49-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 49, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-50-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 50, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-51-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 51, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-52-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 52, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-53-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 53, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-54-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 54, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-55-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 55, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-56-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 56, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-57-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 57, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-58-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 58, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-59-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 59, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-60-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 60, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-61-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 61, Steel Tube Type, 1 Meter 250um Leads, SC/APC
SCF-ST-DWDM-62-SA	Filter, OADM, DWDM, 1X2, 100GHz, ITU 62, Steel Tube Type, 1 Meter 250um Leads, SC/APC

