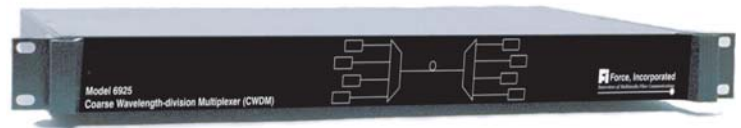


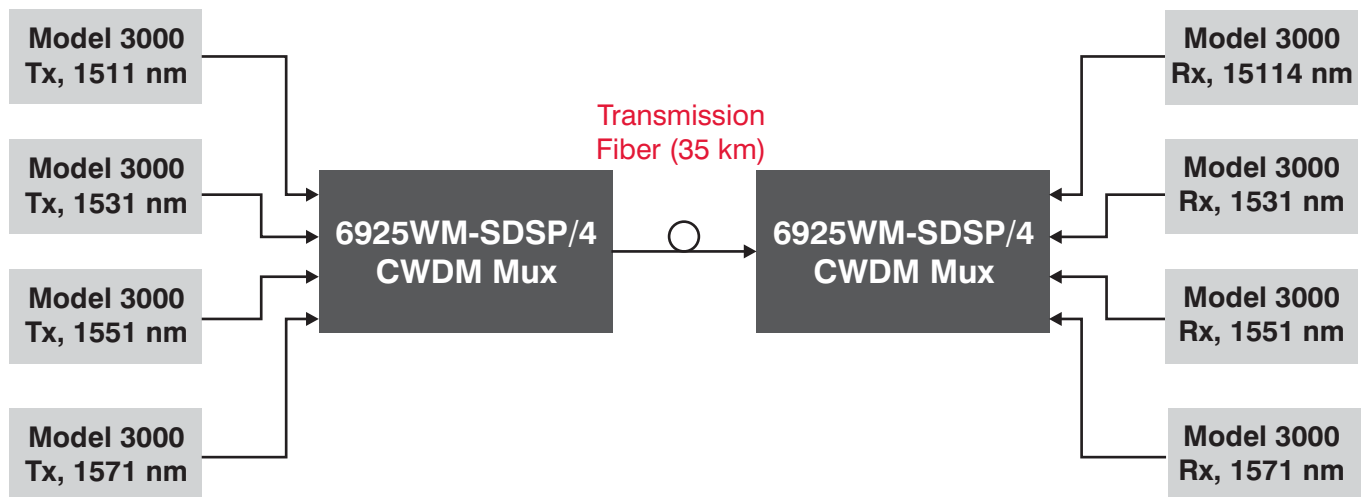
### Coarse Wavelength-division Multiplexer

- Model 6925 offers low insertion loss and polarization-dependent loss.
- High channel-to-channel uniformity allows excellent stability and reliability.
- Great for use in high-speed communication and long-haul telecommunication networks.  
Extends the capacity of existing networks.



*Model 6925 CWDM*

The Force Model 6925 Coarse Wavelength-division Multiplexer (CWDM) is an all-fiber, bidirectional multiplexer/demultiplexer. The CWDM allows four, six, or eight channels to be stacked in the 1550 nm region of optical fiber. The Model 6925 features low insertion loss and low polarization-dependent loss. The units operate using single-mode fiber, and may be configured for unidirectional or bidirectional four, six, or eight channel transmission. The Model 6925 implements higher channel-to-channel isolation to ensure that no interference occurs between channels in a bidirectional configuration. CWDM technology increases the capacity of the embedded fibers, allowing multiple video, audio, and data channels to be transmitted over one fiber, while maintaining system performance and enhancing transport systems. The Model 6925 is an excellent choice for addressing the increased need for efficient and capable data transmission.



# Specifications and Ordering Information

## Optical Characteristics\*

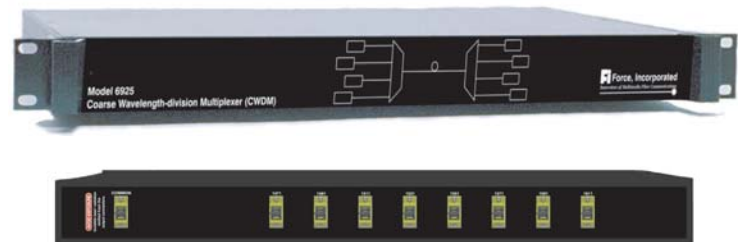
	Min	Typ	Max	Units
<b>4 Channel Models</b>				
Center Wavelengths	1511, 1531, 1551, 1571			nm
0.5 dB Passband		15		dB
Ripple of Passband		0.4		dB
Insertion Loss		2.0	2.5	dB
Channel Uniformity (1)			1.2	dB
Isolation of Adjacent Ch.	25			dB
Isolation of Non-Adjacent Ch.	40			dB
Directivity	55			dB
Polarization Dependent Loss			0.1	dB
Return Loss	45			dB
PMD			0.1	ps
Thermal Stability			0.006	dB/°C
Optical Power			250	mW
<b>6 Channel Models</b>				
Center Wavelengths	1471, 1491, 1511, 1531			nm
	1551, 1571			nm
0.5 dB Passband		CW ±7		nm
Ripple of Passband		0.3		dB
Insertion Loss		2.8	3.4	dB
Channel Uniformity (1)			1.2	dB
Isolation of Adjacent Ch.	28			dB
Isolation of Non-Adjacent Ch.	40			dB
Directivity	50			dB
Polarization Dependent Loss			0.2	dB
Return Loss	45			dB
PMD			0.1	ps
Thermal Stability			0.006	dB/°C
Optical Power			250	mW

## Optical Characteristics cont.\*

	Min	Typ	Max	Units
<b>8 Channel Models</b>				
Center Wavelengths	1471, 1491, 1511, 1531			nm
	1551, 1571, 1591, 1611			nm
0.5 dB Passband		15		nm
Ripple of Passband		0.4		dB
Insertion Loss		3.6	4.5	dB
Channel Uniformity (1)			1.5	dB
Isolation of Adjacent Ch.	25			dB
Isolation of Non-Adjacent Ch.	40			dB
Directivity	55			dB
Polarization Dependent Loss			0.2	dB
Return Loss	45			dB
PMD			0.1	ps
Thermal Stability			0.007	dB/°C
Optical Power			250	mW

## Environmental and Physical Characteristics\*

	Min	Typ	Max	Units
Operating Temp. Range	0		+65	°C
Storage Temp. Range	-40		+85	°C
Humidity	5		90	%
Weight		5.5		lbs
		2.4		kg
Dimensions	19.0 x 1.75 x 11.8			in.
	483 x 45 x 300 mm			



Model 6925 CWDM Front and Rear Panel Views

## CWDM and Optical Jumper P/N

CWDM Options	4-ch.	6-ch.	8-ch.
Mux, 1RU, SC/APC Conn.	6925WM-SDSP/4	6925WM-SDSP/6	6925WM-SDSP/8
Demux, 1RU, SC/APC Conn.	6925WD-SDSP/4	6925WD-SDSP/6	6925WD-SDSP/8

Optical Jumper Options	1 Meter	3 Meters
SM Optical Jumper, SC/APC Conn.	8000-0241-03	8000-0241-04

\*System performance specifications indicated for use with single-mode fiber. Contact Force for complete performance specifications.



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