

WDM COMPONENTS

COARSE WDM

DiCon's Coarse WDM is designed to multiplex and demultiplex signals in metropolitan, access, and enterprise networks. Coarse WDMs are low cost components for systems with fewer than eight channels and feature wide 13 nm channel passbands to accommodate variations in laser center wavelengths over temperature.



FEATURES

- Channel plans based on 20 nm channel spacing
- High isolation for demultiplexing applications
- Low insertion loss
- Tested to Telcordia GR-1221

APPLICATIONS

Coarse WDM's multiplex and demultiplex signals in systems based on an emerging industry standard grid with 20 nm channel spacings. These systems use uncooled lasers and low cost Coarse WDM components as an alternative to more expensive components based on 100 GHz or 200 GHz channel plans.



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WDM COMPONENTS

SPECIFICATIONS¹

Channel spacing	20 nm
Passband C - P1 ²	13 nm min.
Insertion loss C - P1	0.6 dB typ., 1.0 dB max.
Insertion loss C - P2	0.6 dB max.
Isolation C - P1	25 dB min.
Isolation C - P2	10 dB min.
Directivity	55 dB min.
Backreflection	-45 dB max.
PDL	0.05 dB typ., 0.1 dB max.
Optical power	300 mW max.
Fiber type	9/125 Corning SMF-28
Operating temperature	0°C to +65°C
Storage temperature	-40°C to +85°C

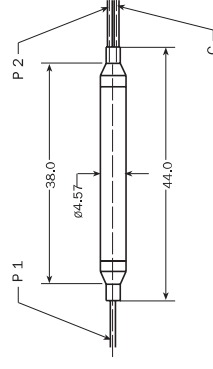
1. All specifications referenced without connectors.
2. Other passbands available by request.

ORDERING INFORMATION

CWDM CWL	01 1431
	02 1451
	03 1471
	04 1491
	05 1511
	06 1531
	07 1551
	08 1571
	09 1591
	10 1611
Connector Type	FC/SPC
	FC/APC
	FC/UPC
	SC
	SC/APC
	SC/UPC
	ST/SPC
	ST/UPC
	LC
	LC/UPC
	MU/UPC
	N
	None
Fiber Jacket	2 250 micron, 200 kpsi bare fiber
	9 900 micron, tight buffer
Pigtail Length	1 1 meter
	X Specify X meters

CW2-

HOUSING DIMENSIONS¹



Units: mm
1. Optional 38 or 40 mm housing lengths by request.

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