

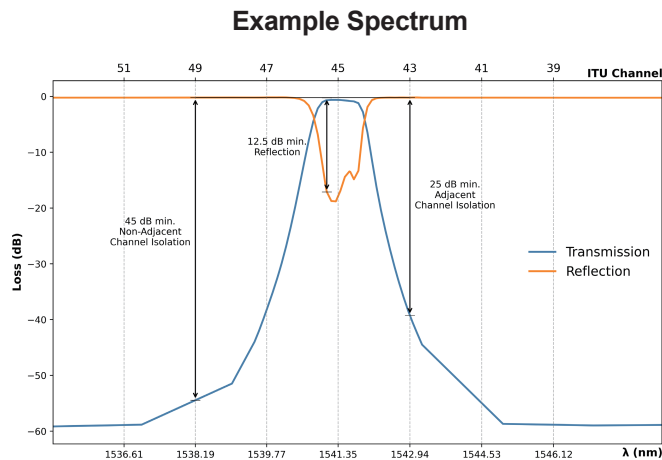
ULTRA COMPACT 200 GHZ WDM FILTER

Polarization Maintaining Fiber



DiCon's **PM Fiber Ultra-Compact WDM (UWDM)** is an ultra-compact, next-generation component ideal for satellite communication. It is available with standard or customer-specified bandpass, longpass, shortpass, or other custom fixed filters.

- Ultra-Compact: 3.0 mm OD x 21 mm
- Temperature Insensitive
- Epoxy Free for High Power Use



ORDERING INFORMATION

UFW2 - ☐ - ☐ - ☐ - ☐ - PM15 - 2B - ☐

200 GHz ITU Channel Number

- X** Specify 200 GHz ITU Channel Number
Example: 45

Number of Ports

- 2** 2 Ports
3 3 Ports

Connector Type

- N** None
FC FC/UPC
FC/APC FC/APC
LC LC/UPC
LC/APC LC/APC
SC SC/UPC
SC/APC SC/APC

**Other connector types are available upon request*

Connector Key Orientation

- N** None
S Slow Axis
F Fast Axis

Fiber Type

- PM15¹** Corning PM 1550 Fiber
1. PER Specification covers C band

Jacket Type

- 2B** 250 μ m Bare Fiber

Pigtail Length

- 1** 1 Meter
X Specify X Meter

ULTRA COMPACT 200 GHZ WDM FILTER

Polarization Maintaining Fiber

OPTICAL SPECIFICATIONS¹

Passband Width	C - P1	0.5 nm min.
Insertion Loss ²	C - P1	1.0 dB max.
	C - P2	0.4 dB max.
Isolation	C - P1, Adjacent Channel	25 dB min.
	C - P1, Non-Adjacent Channel	45 dB min.
	C - P2, Reflection	12.5 dB min.
Passband Ripple		0.5 dB max.
Back Reflection		-45 dB max.
PER ³		16 dB min.
Optical Power ⁴		500 mW max.
Thermal Stability		1.0 pm/°C max.
Fiber Type		Panda PM

- 1. All specifications are measured separately at room temperature for each Test Wavelength
- 2. Measured with 3-jumper method or equivalent (See TIA/EIA 526-7)
- 3. PER is defined with connectors; PER without connectors is 18 dB minimum
- 4. Met by design, not measured

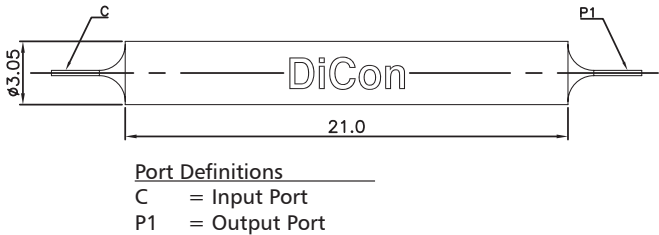
ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-5 to 70°C, < 85% RH
Storage Temperature	-40 to 85°C, < 40% RH

MECHANICAL DRAWING

Dimensions in mm

2 Port Filter



3 Port Filter

