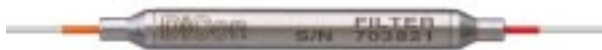


WDM COMPONENTS

WIDEBAND FILTER

DiCon's Wideband Filter transmits a narrow band of light at a customer specified center wavelength. The component uses an environmentally stable thin film filter element mounted between a pair of GRIN lens collimators. DiCon's Wideband Filter is housed in a compact, environmentally stable package that offers superior resistance to humidity and temperature and is suitable for mounting on a printed circuit board or within a module. DiCon offers a wide variety of options for passbands and rejection bands.



FEATURES

- Narrow bandwidths from 0.8 to 35 nm
- Low insertion loss
- Duplex option available
- Rugged, environmentally stable package
- Tested to Telcordia GR-1221

APPLICATIONS

Wideband Filters pass one wavelength band while rejecting adjacent bands. They are used for signal isolation associated with DWDM lasers, detectors, and amplifiers.



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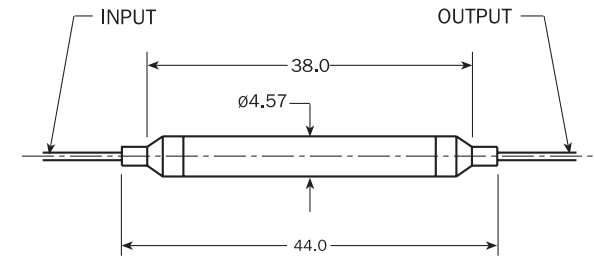
WDM COMPONENTS

SPECIFICATIONS¹

Insertion loss	0.6 dB typ., 0.8 dB max.
Back-reflection	-50 dB max.
PDL	0.05 dB typ., 0.1 dB 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.

HOUSING DIMENSIONS¹



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

ORDERING INFORMATION

BFC - - - - - - -

Transmission Band^{1,2}
xxx.x / xxx.x Specify values btw:
1500.0 - 1620.0 nm

Lower Rejection Band^{1,2}
xxx.x / xxx.x Specify values btw:
1500.0 - 1620.0 nm

Upper Rejection Band^{1,2}
xxx.x / xxx.x Specify values btw:
1500.0 - 1620.0 nm

Isolation

20	20 dB
25	25 dB
30	30 dB
35	35 dB
X	Specify

Connector Type

FC	FC/SPC
FC/APC	FC/APC
FC/UPC	FC/UPC
SC	SC/SPC
SC/APC	SC/APC
SC/UPC	SC/UPC
ST	ST/SPC
ST/UPC	ST/UPC
LC	LC/SPC
LC/UPC	LC/UPC
MU/UPC	MU/SPC
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

1. All wavelengths referenced to vacuum.
2. Transmission and rejection bands must not overlap.