DiCon Fiberoptics, Inc.

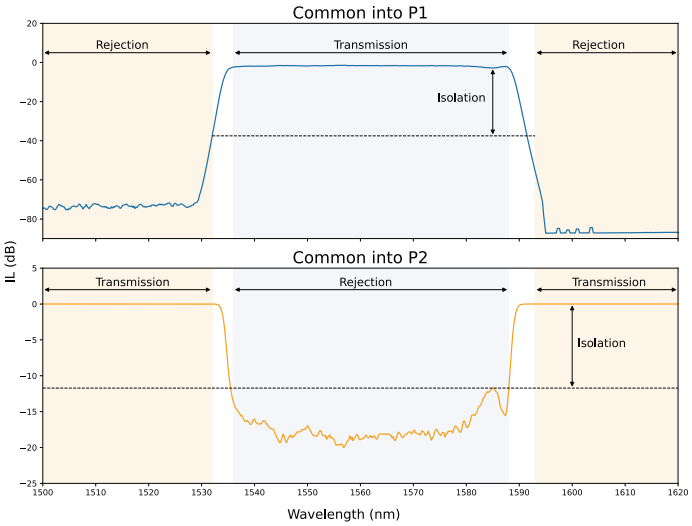
ULTRA-COMPACT EDGEPASS FILTER (UEF)

Multimode Fiber

DiCon's **Edgepass Filter is a three-port component** that uses a shortpass, longpass, or broad bandpass filter element to pass and reject wide spectral windows such as the O, E, S, C, L, U-band as well as custom bands.

The component uses a thin film filter element mounted between a pair of collimator lenses, all housed in a compact, environmentally stable package. DiCon's Edgepass Filter offers superior resistance to humidity and temperature and is suitable for mounting on a printed circuit board or within a module. Available in singlemode, multimode and other fiber types.

- Wide selection of broad spectral windows
- High isolation
- Low insertion loss
- Rugged, environmentally stable package
- Tested to Telcordia GR-1221



ORDERING INFORMATION

UEF - T□ - R□-□-□-2BF-□- N -□

Product Code

UEF	Ultra Compact Edgepass Filter

Transmission Band
(Passed from Common through P1)

xxxx.x:yyyy.y	from xxxx.x continuously to yyyy.y nm

**Multiple wavelength ranges can be supported. Use "/" for additional ranges. For example: Transmitting 950-1050nm and 1535-1589nm is written as T950:1050/1535:1589*

Rejection Band
(Rejected through P1, Passed through P2)

xxxx.x:yyyy.y	from xxxx.x continuously to yyyy.y nm

**Multiple wavelength ranges can be supported. Use "/" for additional ranges. For example: Rejecting 1500-1532nm and 1592-1620nm is written as R1500:1532/1592:1620*

Isolation (Common into P1)

25	25 dB
X	Specify X dB

Fiber Type

50	50/125 µm MMF
62	62.5/125 µm MMF

**Other fiber options are available upon request*

Fiber Jacket Type

2BF	250 µm bare fiber

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

Connector Key Orientation

N	None

Pigtail Length

1	1 Meter
X	Specify X Meters

**Tolerance is +/- 0.05 m*

TAA COMPLIANT

DiCon® FIBEROPTICS

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OPTICAL SPECIFICATIONS[1]

Insertion Loss[2]	C - P1	< 0.8 dB, 0.6 dB Typ.
	C - P2	< 0.6 dB, 0.5 dB Typ.
Isolation	C - P2, Reflection	> 10 dB, 15 dB Typ.
Back Reflection	50 µm	> -25 dB.
	62.5 µm	> -20 dB.
Optical Power		< 500 mW
Thermal Stability		< 0.005 dB/°C
Fiber Type		Multimode

1. All specifications at room temperature
2. Measured with 3-jumper method or equivalent (See TIA/EIA 526-7).

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	-5 to 70°C
Storage Temperature	-40 to 85°C

MECHANICAL SPECIFICATIONS

Dimensions in mm

3 Port Filter

Port Definitions

C = Common Port
P1 = Transmission Port
P2 = Reflection Port