### PM ULTRA-COMPACT EDGEPASS FILTER

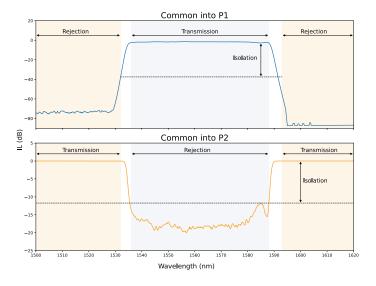
## Polarization Maintaining Fiber, UEF



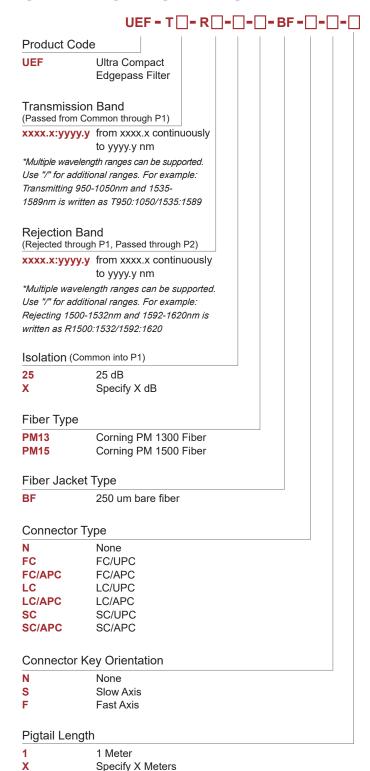
DiCon's **Edgepass Filter is a two-port component** that uses a shortpass, longpass, or broad bandpass filter element to pass and reject wide spectral windows such as the O, E, S, C, L, U-band as well as custom bands.

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





\*Tolerance is +/- 0.05 m

## PM ULTRA-COMPACT EDGEPASS FILTER

# Polarization Maintaining Fiber, UEF

## **OPTICAL SPECIFICATIONS**<sup>1,2</sup>

Insertion Loss <sup>2</sup>	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.
Directivity		> 55 dB
Back Reflection		< -50 dB
Extinction Ratio <sup>3</sup>		> 18 dB
Optical Power		< 500 mW
Thermal Stability		< 0.005 dB/°C
Fiber Type		Panda Fiber

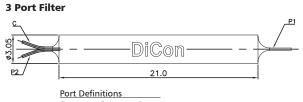
- 1. All specifications at room temperature.
- 2. Measured with 3-jumper method or equivalent (See TIA/EIA 526-7)
- 3. Extinction ratio with connectors is 15 dB min.

### **ENVIRONMENTAL SPECIFICATIONS**

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

### **MECHANICAL SPECIFICATIONS**

Dimensions in mm



Port Definitions

= Common Port
= Transmission Port
= Reflection Port

DiCon Fiberoptics, Inc. www.diconfiberoptics.com