



# 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

#### 3 Port Filter



- Port Definitions**
- C = Common Port
  - P1 = Transmission Port
  - P2 = Reflection Port