

## Polarization Maintaining Corse WDM Filter

Model #: PCWDM

Description: Polarization Maintaining Corse WDM Filter

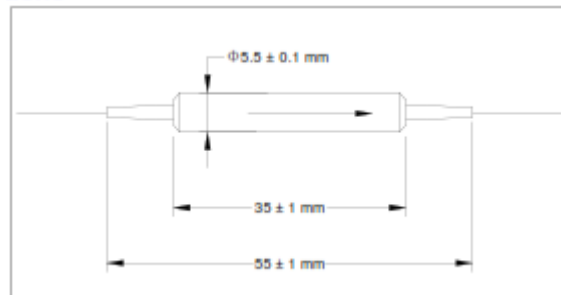
Application: Fiber communication system

**Specifications:**

Parameter	Unit	Specifications
Central Wavelength ( $\lambda_c$ )	nm	1470, 1490, 1510, 1530, 1550, 1570, 1590, 1610
Pass Band	nm	$\lambda_c \pm 6.5$
Max. Insertion Loss	dB	0.6
Typ. Insertion Loss	dB	0.4
Min. Isolation @ 1450 to ( $\lambda_c - 14$ ) & ( $\lambda_c + 14$ ) to 1630 nm	dB	30
Min. Polarization Extinction Ratio	dB	20
Min. Return Loss	dB	50
Max. Thermal Stability	dB/°C	0.005
Min. Thermal Wavelength Drift	nm/°C	0.003
Max. Optical Power	mW	300
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to + 80
Dimension	mm	5 (D) x 35 (L)
Fiber Type		PM Panda fiber

\* Customized ratios are acceptable;

Note: each connector may contribute extra 0.3 dB IL, 5 dB lower RL and 2 dB lower ER. Keying to slow axis.


**Ordering Information:**
**Beam Combiner PCWDM-AA-B-C-D**

AA: wavelength	B: connector type	C: fiber jacket	D: fiber length
47 – 1470 nm	1 - FC/UPC	B - 250 $\mu$ m Panda fiber	Q-0.75m
49 – 1490 nm	2 - FC/APC	L - 900 $\mu$ m loss tube	X-other
51 – 1510 nm	3 - SC/UPC	X - other	
53 – 1530 nm	4 - SC/APC		
55 – 1550 nm	N - none		
57 – 1570 nm	X - other		
59 – 1590 nm			
61 – 1610 nm			
XX - other			