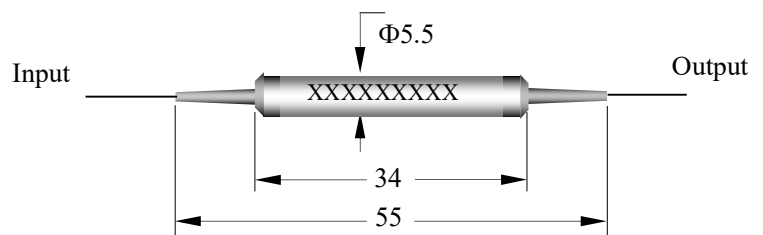


## Polarization Maintaining Band Pass Filter 1550nm (PMBPF-1550)

### 1. Features:

- Low insertion loss
- High power handling
- High Return Loss
- Excellent environmental stability and reliability



### 2. Applications:

- Fiber Laser
- Fiber Sensor
- Communication System
- Test Instrumentations
- Polarization maintaining optical system



### 3. Compliance:

- Telcordia GR-1209-CORE
- Telcordia GR-1221-CORE
- RoHS

# 深圳市深建通信科技有限公司

## 4. Specifications:

Parameter \ Type	Units	Values
Center Wavelength	nm	1550±2.5 or 1550±0.4
Insertion Loss over pass band	dB	≤0.8
Pass Bandwidth at 0.5dB	nm	5 or 0.8
Pass Bandwidth at 3dB	nm	7 or 1.1
Stop Bandwidth at 25dB	nm	≤22
Return Loss	dB	≥50
Extinction Rate	dB	≥20 (Only for PM fiber)
Polarization Dependent Loss	dB	≤0.10
Thermal Stability	dB/°C	≤0.005
Power Handling (Continuous)	W	1, 3, 5, 10 or specify
Fiber Type	/	SM15-PS-U25D
Tensile Load	N	≤5
Operating Temperature Range	°C	-5 to 70
Storage Temperature Range	°C	-40 to 85

\*The specifications are w/o connector.

\* For devices with connectors, 0.3dB higher for IL, 5dB lower for RL and 2dB lower for ER.

\* For device with connector, key aligned to slow axis.

## 5. Product Ordering information:

HPBPF	X X	X	X	X	X	X	XX	XX
Product Description	Operating Wavelength	Power Handling	Pigtail Type	Fiber Type	Input Connector Type	Output Connector Type	Package Size	Fiber Length
PMBPF	15=1550nm	1=1W	0=250um	0=SMF-28e	0=None	0=None	34=Φ5.5×L34	05=0.5m
		3=3W	1=900um	1=HI1060	1=FC/UFC	1=FC/UFC	35=Φ5.5×L35	08=0.8m
		.....	2=2mm	4=other	2=FC/APC	2=FC/APC	38=Φ5.5×L38	10=1.0m
			3=3mm		3=SC/UPC	3=SC/UPC		12=1.2m
					4=SC/APC	4=SC/APC		
					5=LC/UPC	5=LC/UPC		
					6=LC/APC	6=LC/APC		

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