

## Polarization Maintaining Filter Splitter

### Features

Compact Size  
Low insertion loss  
High extinction ratio  
Excellent stability and reliability

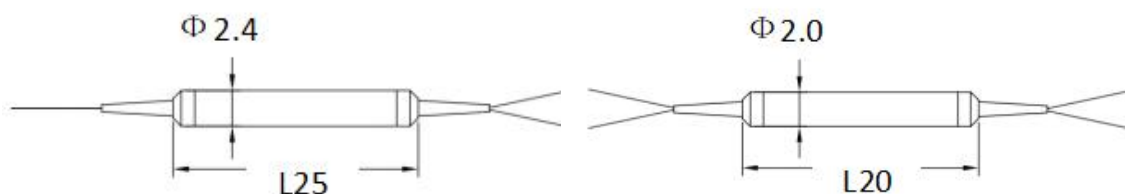
### Applications

Fiber lasers  
Fiber amplifiers  
Fiber Sensors  
Optical Communications

Parameter	1x2 PMFS		Unit
	P 级	A 级	
Operating wavelength	1550		nm
Operating bandwidth	$\pm 20$		nm
Insertion Loss	$\leq 0.6$	$\leq 0.7$	dB
Extinction Ratio	$\geq 26$	$\geq 20$	dB
Splitting Ratio	$5 \pm 1.0\%$ , $50 \pm 2.0\%$	$5 \pm 1.0\%$ , $50 \pm 5.0\%$	%
Return Loss	$\geq 58$	$\geq 50$	dB
Directionality	$\geq 55$	$\geq 50$	dB
Handling power	$\leq 500$		mW
Fiber type	SM15-PS-U25D		/
Working axis	Both axis working		/
Operating temperature	$-5 \sim +70$		$^{\circ}\text{C}$
Storage temperature	$-40 \sim +85$		$^{\circ}\text{C}$
Dimensions	$\Phi 2.4 \times L25$ , $\Phi 2.0 \times L20$		mm

\* IL is 0.3dB (1310~1550nm) higher, RL is 5dB lower and ER is 2dB lower for each connector added. The default connector key is aligned to slow axis.

### Mechanical Dimension



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specification	GCPMFS
Port Type	$1 \times 2$ , $2 \times 2$
Operating Wavelength	1550nm etc.
Coupling Ratio	01/99, 05/95, 50/50 etc.
Working axis type	B= Both axis working, F= Fast axis blocked.
Pigtail Type	0=250 $\mu\text{m}$ , 1=900 $\mu\text{m}$ , 4=others
Fiber Type	SM15-PS-U25D etc.
Package Size	$2.4 \times 25$ etc.