

Polarization Maintaining Filter Splitter

Features

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

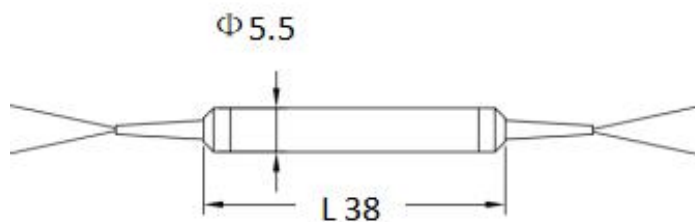
Applications

Fiber lasers
Fiber amplifiers
Fiber Sensors
Optical Communications

Parameter		1x3 PMFS	Unit
Operating wavelength		1020-1080	nm
Excess loss		≤ 0.8	dB
Extinction Ratio		≥ 18	dB
Splitting Ratio	I→Output 1	10	%
	I→Output 2	20	%
	I→Output 3	70	%
Return Loss		≥ 50	dB
Directionality		-	dB
Handling Power	average	≤ 1	W
	pulse peak	< 10	kW
Fiber type		SM98-PS-U25D-H	/
Working axis	I→Output 1	Both axis working	/
	I→Output 2&3	Slow axis working, fast axis blocked.	
Operating temperature		0~+70	°C
Storage temperature		-40~+85	°C
Dimensions		$\Phi 5.5 \times L38$	mm

* The splitting ratio of the 10% port may exceed specifications and should be maintained below 12.5%

Mechanical Dimension



Mechanical Dimension

specification	GCPMFS
Port Type	1×3
Operating Wavelength	1020-1080nm etc.
Coupling Ratio	10/20/70etc.
Working axis type	B= Both axis working, F= Fast axis blocked.
Pigtail Type	0=250μm, 1=900μm, 4=others
Fiber Type	SM98-PS-U25D-H etc.
Average Power handling	1=1W etc.
Package Size	5.5×38 etc.