

Polarization Maintaining Filter Splitter

Product Features

- High Extinction Ratio
- Low Insertion Loss
- High Return Loss

Product Applications

- Communication Systems
- Test Instrumentations
- Fiber Sensors
- Research



Specifications

Parameter	Unit	Value
Center Wavelength (λ_c)	nm	1310 or 1550
Operating Wavelength Range	nm	$\lambda_c \pm 40$
Configuration	--	1x2
Stage	--	/
IL at To*	dB	≤ 1.0
Typ. IL at Tr*	dB	0.8
Split Ratio	dB	$1 \pm 0.5\%$, $5 \pm 1.0\%$, 10%, and 50%
ER at Tr*	dB	≥ 20
Typ. ER at Tr*	dB	22
Return Loss (Input/Output)	dB	≥ 50
Power handling(CW)	mW	≤ 500
Tensile Load	N	≤ 5
Fiber Type		PM Panda fiber
Pigtail Type		Bare fiber or 0.9mm loose tube are available
Package Dimension	mm	$\Phi 3.0 \times L30$
Connector Type	$^{\circ}\text{C}$	SC, FC, LC / UPC, APC
Operating Temperature	$^{\circ}\text{C}$	-5 to +70
Storage Temperature	$^{\circ}\text{C}$	-40 to +85

Remark:

- * Tr=Room temperature, To=Operating temperature.
- * Above specifications are for device without connector.
- * For devices with connectors, it's 0.3dB higher for IL per connector, 5dB lower for RL and 3dB lower for ER.
- * The PM fiber and the connector key are aligned to the slow axis

Ordering Information

PMFS	Wavelength	Split Ratio	Pigtail Type	Fiber Length	Connector
1x2	1310nm 1550nm Specify	1/99 5/95 50/50 Specify	250um bare fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify