

# PM Fiber Splitters

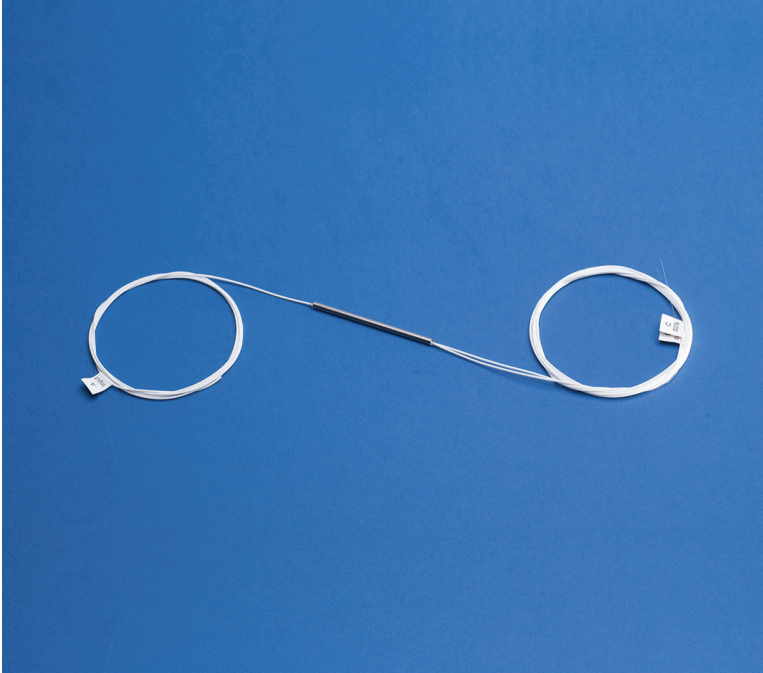
## 405nm to 2000nm

### *Features*

- Visible to NIR regions
- Low insertion loss
- High extinction ratio
- 900 $\mu$ m jacket
- FC or FC/APC connectors

### *Applications*

- Sensors
- Communications
- Interferometry
- Bio Photonics



Our Fused PM Fiber Splitters are available for the visible to NIR wavelength regions. They split the input polarized light into two, preserving the polarization in each arm. These are manufactured using Panda type PM fiber utilizing a fused technique for wave coupling.

Standard configuration is 1x2 with 2x2 as an option. We offer 50:50 split ratio as standard with other ratios as options. Standard couplers launch into the slow axis of the fiber. The slow axis of the fiber is aligned to the key of the FC connector.

# PM Fiber Splitters - Visible

## Specifications

	400 to 680 nm	620 to 770nm nm
Type:	1x2 standard (2x2 option)	
Split ratio:	50:50	
Axis:	Slow	
Polarization extinction ratio::	20 dB min.	20 dB min.
Excess loss (no connectors):	<0.9 dB	<0.5 dB
Insertion loss for 50:50:	5.2 dB	3.8 dB
Insertion loss for 90:10:	12.6 / 2.4 dB	11.6 / 1.2 dB
Wavelength range:	$\pm 10\%$ from center wavelength	
Fiber type:	PM panda type	
Jacket:	900 $\mu$ m standard	
Connector options:	FC/UPC or FC/APC	
Pigtail length:	1 meter	
Operating temperature:	0° C to 70° C	
Storage temperature:	-40° C to +85° C	

## Other Options

Other split ratios  
 Different pigtail lengths  
 Other wavelengths

## Ordering Information

Model # (FC/UPC)	Model # (FC/APC)	Description
FKP-A1250-4059AA-001	FKP-B1250-4059BB-001	1X2, 50:50 ratio at 405nm
FKP-A1250-4509AA-001	FKP-B1250-4509BB-001	1x2, 50:50 ratio at 450nm
FKP-A1250-4889AA-001	FKP-B1250-4889BB-001	1x2, 50:50 ratio at 488nm
FKP-A1250-5209AA-001	FKP-B1250-5209BB-001	1x2, 50:50 ratio at 520nm
FKP-A1250-6389AA-001	FKP-B1250-6389BB-001	1x2, 50:50 ratio at 638nm
FKP-A1250-6609AA-001	FKP-B1250-6609BB-001	1x2, 50:50 ratio at 660nm

# PM Fiber Splitters - NIR

## Specifications

	800 to 1550 nm
Type:	1x2 standard (2x2 option)
Split ratio:	50:50
Axis:	Slow
Polarization extinction ratio::	20 dB min.
Excess loss (no connectors):	<0.3 dB
Insertion loss for 50:50:	3.5 dB
Insertion loss for 90:10:	11 / 0.8 dB
Wavelength range:	$\pm 10\%$ from center wavelength
Fiber type:	PM panda type
Jacket:	900 $\mu\text{m}$ standard
Connector options:	FC/UPC or FC/APC
Pigtail length:	1 meter
Operating temperature:	0° C to 70° C
Storage temperature:	-40° C to +85° C

## Other Options

Other split ratios  
 Different pigtail lengths  
 Other wavelengths

## Ordering Information

Model # (FC/UPC)	Model # (FC/APC)	Description
FKP-A1250-7809AA-001	FKP-B1250-7809BB-001	1x2, 50:50 ratio at 780nm
FKP-A1250-8309AA-001	FKP-B1250-8309BB-001	1x2, 50:50 ratio at 830nm
FKP-A1250-8509AA-001	FKP-B1250-8509BB-001	1x2, 50:50 ratio at 850nm
FKP-A1250-9809AA-001	FKP-B1250-9809BB-001	1x2, 50:50 ratio at 980nm
FKP-A1250-10649AA-001	FKP-B1250-10649BB-001	1x2, 50:50 ratio at 1064nm
FKP-A1250-13109AA-001	FKP-B1250-13109BB-001	1x2, 50:50 ratio at 1310nm
FKP-A1250-15509AA-001	FKP-B1250-15509BB-001	1x2, 50:50 ratio at 1550nm
FKP-A1250-20009AA-001	FKP-B1250-20009BB-001	1x2, 50:50 ratio at 2000nm