

1x2 Polarization Beam Combiner / Splitter (PBC/PBS)

Features

Low Insertion Loss
High Return Loss
High Extinction Ratio
High Reliability
High Stability

Applications

Fiber Optical Current Transducer
Fiber Sensor
Optical Fiber Gyro
Coherent Telecommunication Systems

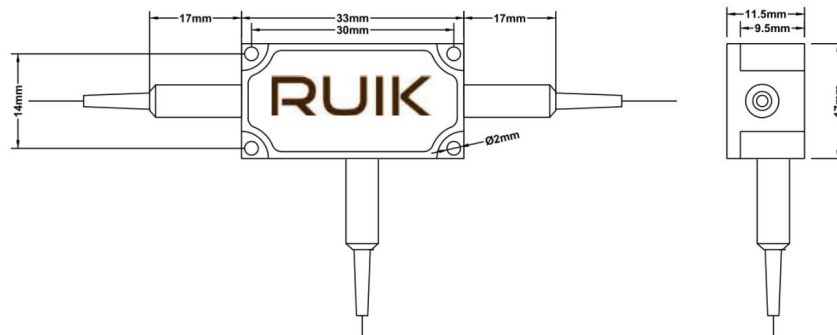
Specifications

Parameters	Unit	Values
Center Wavelength	nm	532, 633
Operating Wavelength Range	nm	±15
Typ. Insertion Loss at 23℃	dB	1.3
Max. Insertion Loss at 23℃	dB	1.6
Min. Extinction Ratio at 23℃	dB	18
Directivity	dB	50
Min. Return Loss	dB	50
Max. Optical Power(CW)	mW	300
Max. Tensile Load	N	5
Fiber Type	Port 1 & 2	- PM Panda Fiber
	Port 3	- SM or PM Panda Fiber
Operating Temperature	℃	-5~+70
Storage Temperature	℃	-40~+85

For device with connector, IL is 0.4dB higher, RL is 5dB lower, and ER is 2dB lower.

The default connector key is aligned to slow axis.

Package Dimensions



Ordering Information

PBC-1111-2-3-4-56-7-888 / PBS-1111-2-3-4-56-7-888

1111 - Wavelength:	0532=532nm, 0633=633nm
2 - Option for Port 3 to 1, 2:	1=SM fiber to PM Fiber, 2= Port 3 slow axis 0° aligned to Port 1, 3=Slow axis 45° aligned to Port 1
3 - Fiber Type for Port 3:	0=PM460 Panda fiber, 1=SM460, 2=PM630 Panda fiber, 3=SM630, S=Specified
4 - Fiber Type for Port 1, 2:	0=PM460 Panda fiber, 1=PM630 Panda fiber, S=Specified
5 - Package Dimension:	0=33x17x11.5mm
6 - Pigtail Type:	0=bare fiber, 1=900μm loose tube
7 - Fiber Length:	0.8=0.8m, 1.0=1m
888 - Connector Type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None