

405nm Polarization Beam Combiner/Splitter (PBC/PBS)

FEATURES

- High Isolation
- Low Insertion Loss
- High Reliability and Stability
- Various Bandwidth
- High Optical Power

APPLICATIONS

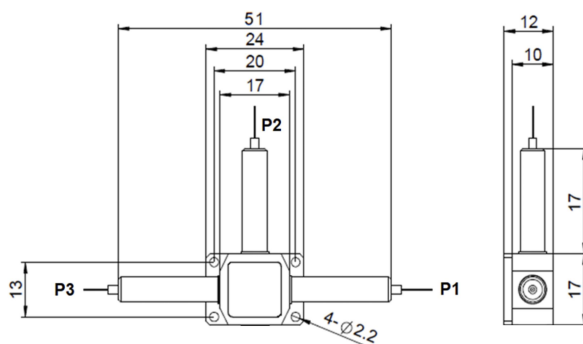
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength	nm	405
Bandwidth		+/-5
Insertion Loss	(Typ.)	dB
	(Max.)	dB
Optical Return Loss	dB	≥45
Extinction Ratio (For FPBS)	(Typ.)	dB
	(Min.)	dB
Fiber Type of Port 1 & Port 2	-	PM S405-XP Fiber
Fiber Type of Port 3	S Type	S405-XP Fiber
	P Type	Same Fiber as Port 1, Slow axis align to Port 1
	Q Type	Same Fiber as Port 1, Slow axis is 45° to Port 1
Direction of Incident Polarization	-	Slow Axis
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	30
Operating Temperature	°C	25~45
Storage Temperature	°C	-20~70

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 1.8dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Devices for higher optical power or with other type fiber or consigned fiber are also available.

PACKAGE DIMENSION



ORDERING INFORMATION (PN) FPBC=Polarization Beam Combiner; FPBS=Polarization Beam Splitter.

FPBC FPBS -	NNN	-	C	N	C	NN	-	CC/CCC
	Center Wavelength		3rd Port Fiber	Fiber Type	Fiber Sleeve	Fiber Length		Connector Type
	405= 405nm		S=S Type	2=PM S405-XP Fiber	B= Bare fiber	05=0.5m		N=Without Connector
			P=P Type		L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
			Q=Q Type		2= 2mm Cable	15=1.5m		LC/PC=LC/PC Connector
					3= 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector

