

## 460-690nm Polarization Beam Combiner/Splitter (PBC/PBS)

### FEATURES

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

### APPLICATIONS

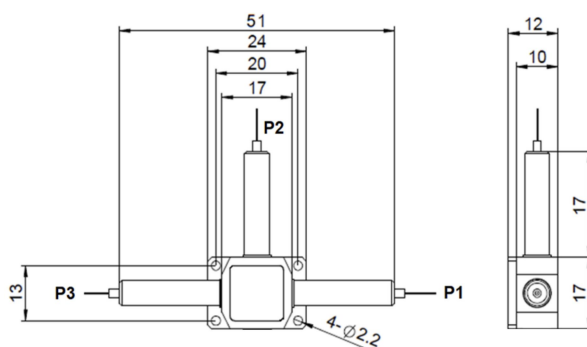
- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Research Labs
- Laser Systems

### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	460, 488, 520, 532	635, 650, 660, 690
Bandwidth		+/-10	
Insertion Loss	(Typ.)	dB	1.2
	(Max.)	dB	1.9
Optical Return Loss	dB	≥45	
Extinction Ratio (For FPBS)	(Typ.)	dB	20
	(Min.)	dB	17
Fiber Type of Port 1 & Port 2	-	PM460-HP Fiber	PM630-HP Fiber
	S Type	460-HP Fiber	630-HP Fiber
Fiber Type of Port 3	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 1.3dB 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
	488=488nm		S=S Type	2=PM Panda Fiber	B= Bare fiber	05=0.5m		N=Without Connector
	532=532nm		P=P Type		L= Loose Tube	10=1.0m		FC/APC=FC/APC Connector
	630=630nm		Q=Q Type		2= 2mm Cable	15=1.5m		LC/PC=LC/PC Connector
	635=635nm				3= 3mm Cable	20=2.0m		SC/UPC=SC/UPC Connector