

915~950nm Polarization Beam Combiner/Splitter

FEATURES

- High Isolation
- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- Fiber Optic Amplifiers
- Fiber Optic Instruments
- WDM Systems
- Dispersion Compensation
- Light Routing

SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength	nm	915, 930, 950
Bandwidth	nm	+/-10
Insertion Loss	(Typ.)	dB
	(Max.)	dB
Directivity	dB	≥50
Optical Return Loss	dB	≥45
Extinction Ratio (for FPBS)	(Typ.)	dB
	(Min.)	dB
Fiber Type of Port 1 & Port 2	-	PM850 Fiber, PM980 Fiber or 10/125um PMSC Fiber (E) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Type of Port 3	S Type	-
	P Type	-
	Q Type	-
Direction of Incident Polarization	-	Slow Axis
Fiber Tensile Load	N	5
Max. Optical Power (CW)	mW	300
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm
	Metal Box	mm

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

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

FPBC FPBS	- NNNN <small>Center Wavelength</small>	- C <small>3rd Port Fiber</small>	- (C) <small>Package</small>	C <small>Fiber Type</small>	C <small>Fiber Sleeve</small>	NN <small>Fiber Length</small>	- CC/CCC <small>Connector Type</small>
	915~915nm	S=S Type	M=Metal Box	2=PM850Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	930~930nm	P=P Type	Blank for SST	H=PM980Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	950~950nm	Q=Q Type		E=10/125 PMSC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
				R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UFC=SC/UFC Connector

