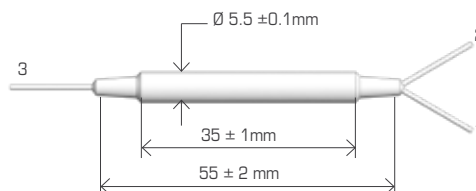
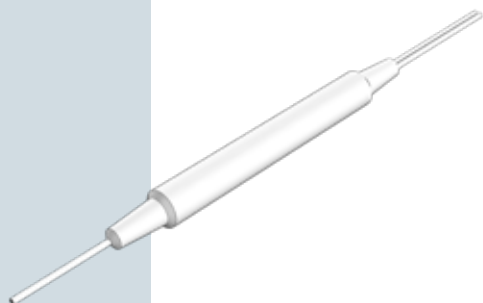




PM BEAM COMBINER / SPLITTER



The Polarization Beam Combiner/Splitter is a compact high performance lightwave component that combines two orthogonal polarization signals into one output fiber. The most common application is to

combine the light of two pump lasers into one single fiber to double the pump power in EDFA or Raman Amplifier. The device can also be used as a beam splitter.

	PARAMETERS	GRADE P	GRADE A	UNIT	
SPECIFICATIONS	Center Wavelength (λ_c)	1310, 1480 or 1550		nm	
	Operating Wavelength Range	$\lambda_c \pm 40$		nm	
	Typ. Insertion Loss	0.4	0.5	dB	
	Max. Insertion Loss	0.6	0.7	dB	
	Min. Extinction Ratio (for splitter only)	22	20	dB	
	Min. Return Loss	50		dB	
	Directivity	50		dB	
	Max. Optical Power (Continuous Wave)	500		mW	
	Fiber Type	PM Panda fiber for Ports 1 & 2, SMF-28 or PM Panda fiber for Port 3			
	Operating Temperature	-5 to +70		°C	
Storage Temperature	-40 to +85		°C		

*Note: IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

CODE	WAVELENGTH		GRADE		CONNECTOR TYPE		FIBER JACKET		FIBER TYPE FOR PORT 3		FIBER LENGTH	
F4M-PBC /PBS	31	1310 nm	P	Premium	O	None	25	250 μ m Panda Fiber	1	SMF-28	05	0.5 m
	48	1480 nm	A	A Grade	A	SC/UPC	9L	900 μ m Loose Tube	2	Slow axis aligned 45° to Port 1	10	1m
	55	1550 nm			B	SC/APC	S	Specify	3	Slow axis aligned to Port 1	S	Specify
	S	Specify			C	FC/UPC			S	Specify		
					D	FC/APC						
					E	LC/UPC						
					Q	LC/APC						
				S	Specify							

ORDER CODE EXAMPLE **F4M-PBC - 55 - P - 00 - S - S - S**

