Polarization Splitters
divide the input(Port1) into two oppositely polarized outputs (Ports 2 and 3). The standard P/P/P model equally splits the input energy into the two outputs.

Polarization Splitters

Input on Port 1, and oppositely polarized outputs on Port 2 and 3. Pigtails can be ordered as Single-mode(S) or Polarization Maintaining(P) on all Ports.

Catalog Number	*Description*	*Comments*
PFS-λ-S/P/P	Standard Splitter	Cement-free
PFS-λ-S/S/S	Standard Splitter	Cement-free
PFS-λ-P/P/P	Standard Splitter	Cement-free

Note : when ordering, specify λ in nm.

Polarization Combiners
do the reverse of the Splitters. Two oppositely polarized inputs(Port 2 and 3) are combined into a single output(Port 1). In the P/P/P model, the combined energies are coupled into both slow and fast axes of the output fiber(Port 1).

Polarization Combiners

Oppositely polarized inputs on Ports 2 and 3. Output on Port 1. Pigtails can be ordered as Single-mode(S) or Polarization Maintaining(P) on Port 1. Polarization Maintaining(P) only on Ports 2 and 3.

Catalog Number	*Description*	*Comments*
PFC-λ-P/P/S	Combiner	Cement-free
PFC-λ-P/P/P	Combiner	Cement-free

Note : when ordering, specify λ in nm.

Walk-OFF Polarizers
in Splitters separate the two polarization modes better than 55 dB. Because of near-zero absorption and absence of any optical cement, Walk-Off Polarizers are capable of handling very high powers, far beyond those in a fiber-optic system. Walk-Off Polarizers are inherently extremely broadband AR coated. Specify λ.

The PM Fibers(PANDA)
on all models are aligned so that the plane of polarization is parallel to the slow axis in the fiber.

1-Meter Fiber Pigtails
on all models can be ordered as single - mode (SM) or polarization-maintaining (PM), as designated in the Part Number. Distal end is cleaved or optionally connectorized.

Specifications

Total Insertion Loss	0.5-1.2 dB
Extinction Ratio(on PM output)	25-32 dB
Return Loss(back reflection)	50-65 dB
PM Fiber	Panda PM
Operating Temperature	0℃ to 40℃
Storage Temperature	-20℃ to 60℃