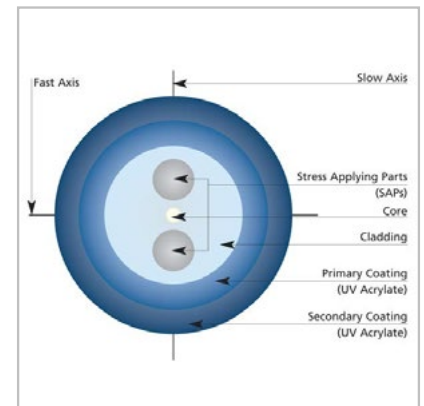


Fiber Optical PM Components

LASER COMPONENTS GmbH is an expert for **P**olarization **M**aintaining fiber optical components. We offer a complete line of PM products for many different applications. The product portfolio comprehends different PM fibers connectorized PM pigtailed and patchcords, fiber lense arrays, planar waveguide splitters and micro-mechanical optical switches. The components can be fit to a wide range of PM fibers available on the market. Sophisticated design and manufacturing methods make these components the worldwide benchmark for PM performance including athermal behaviour over an extremely wide temperature range.



Optical Features

- Very low insertion loss
- High uniformity
- Highest extinction ratio
- Large bandwidth in the respective wavelength range

Package Highlights

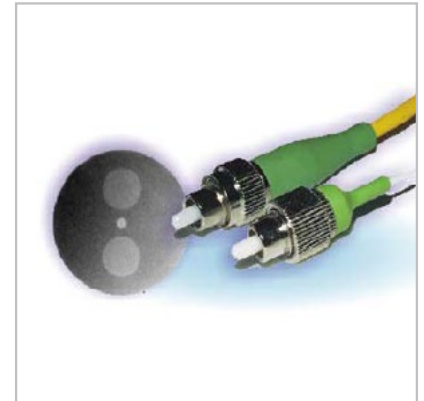
- Small, ruggedized plastic/metallic housing
- Free choice of fiber style
- Inhouse connectorization

Reliability

- Excellent long term reliability compliant with international standards

PM Connectorized Pigtails And Patchcords

Connector types	FC, SC, LC, MU, E2000, KC
Fiber types	„PANDA“, „Bow Tie“, <u>O</u> val <u>I</u> nner <u>C</u> ladding
Wavelength ranges	IR (Telecom), NIR, VIS
Outer fiber diameter	80 µm, 125 µm
Extinction ratio	ER > 20 dB (Grade ST) ER > 25 dB (Grade HQ) ER > 28 dB (Grade EX) ER > 30 dB (Grade UEX)
Operating temperature*)	-40 to +70°C



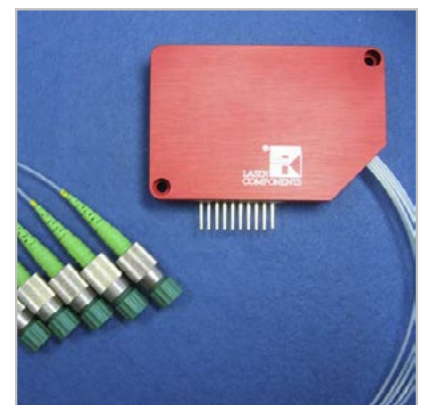
PM Splitters

Splitting ratio	1x2, 1x4** (monolithic PWS components) 1x4, 1x8, 1x16 (hybrid PWS modules)
Fiber types	„PANDA“, „Bow Tie“, <u>O</u> val <u>I</u> nner <u>C</u> ladding
Wavelength ranges	IR (telecom), NIR
Outer fiber diameter	80 µm, 125 µm
Extinction ratio	ER > 20 dB (Grade ST) ER > 25 dB (Grade HQ)
Operating temperature*)	-30 to +60°C



PM Switches

Splitting ratio	1x2, 1x4, 2x2
Fiber types	„PANDA“, „Bow Tie“, Oval Inner Cladding
Wavelength ranges	IR (telecom), NIR
Outer fiber diameter	80 µm, 125 µm
Extinction ratio	ER > 20 dB (Grade ST) ER > 25 dB (Grade HQ)
Operating temperature	+10 to +50°C



For other PM components please ask for more detailed information.

*) For telecom wavelengths, other wavelength ranges on request