0108 Polarization Controller

PC1000



3 Paddle Mechanical Polarization Controller

3 paddle mechanical polarization controller is using fiber outside pressure and birefrigent effect theory. Its 3 Paddle is respectively equal $\lambda/4$, $\lambda/2$, $\lambda/4$ plate. When light wave enters $\lambda/4$ waveplate is transfer line polarization, then use $\lambda/2$ is adjust polarization direction, finally it enters to $\lambda/4$ waveplate and line polarization state is change to any polarization. Due to Birefrigent's delay effect is come from fiber cladding, roll fiber, and wavelength. It can generate all polarization change.

FEATURES

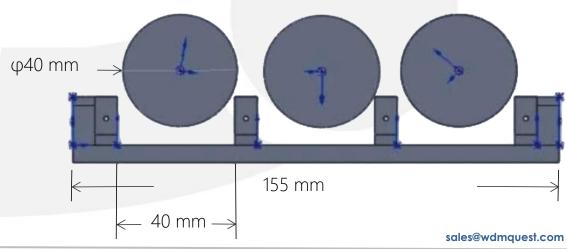
- Equal to $\lambda/2$, $\lambda/4$ Plate
- Adjust Any Polarization

USE IN

- SM to PM Fiber System Application
- Measure PDL

- Low Insertion Loss
- Easy to Roll Fiber
- Fiber Laser
- Fiber Interferometer

MECHANICAL DRAWING



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