

KG-ODL series



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Manual optical adjustable delay device

KG-ODL manual optical adjustable delay device is a portable optical delay adjustment device, with high integration and low cost characteristics, the device can provide 330ps optical delay, through the rotation control to achieve accurate delay control. The accurate information of the delay can be read in mm or ps immediately through the length ruler marked on the panel.

product feature

- Low insertion loss
- High integration
- Stable and reliable

Application field

- Optical interferometer,
- Optical coherence tomography imaging,
- Optical coherence communication,
- Radar calibration, spectral detection, etc



Technical index

| Argument | Numerical value | |
|-------------------------------------|-------------------|--------------|
| Optical delay range | 0~333 ps (100 mm) | 0~660ps |
| Minimum resolution of optical delay | 0.17 ps (50 um) | |
| Optical delay accuracy | 3.4 ps (0.1mm) | |
| Insertion loss | <1.2 dB | <2 dB |
| Change in insertion loss | ±0.3 dB | |
| Return loss | >55 dB | |
| Operating wavelength | 1310 nm\ 1550 nm | |
| Optical power threshold | 300 mW | |
| Operating temperature | 0~50°C | |
| Storage temperature | -20~70°C | |
| Overall dimension | 110*45*29 mm | 160*45*29 mm |
| Fiber type | SMF-28、Panda PM | |

Ordering information

| KG | ODL | XX | XX | XX | XX | XX |
|----|--|----------------|---|--------------------|--|--|
| | Manual optical adjustable delay device | Delay scope: | Working wavelength: | Fiber type: | Optical fiber connector: | fiber length: |
| | | 330ps 660ps | 13--- 1310nm 15--- 1550nm 35--- 1310&1550nm | S---SMF P---PMF | FP---FC/PC FA---FC/APC SP--User assignment | 10--- 1m 15--- 1.5m SP---User assignment |

*If you have any special requirements, please contact our sales manager

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