

Phase Delay Polarization Maintaining Faraday Rotator

Product Features

- High Extinction Ratio
- Low Insertion Loss
- High Return Loss

Product Applications

- Communication Systems
- Test Instrumentations
- Fiber Sensors
- Research

Specifications

Parameter	Unit	Value
Center Wavelength	nm	1550
Operating Wavelength Range	nm	$\lambda_c \pm 10$
Typ. Insertion Loss at 23°C	dB	0.5
Max. Insertion Loss at 23°C	dB	0.8
Faraday Rotation Angle (Single Pass)	degree	45
Max. Rotation Angle Tolerance, λ_c , 23 °C	degree	± 1
Min. Extinction ratio at 23°C	dB	20
Optical Phase Delay	-	π , $\pi/2$, $\pi/4$ or specify
Max. Peak Power for ns pulse	kW	10
Max. Optical Power (CW)	W	1
Max. Tensile Load	N	5
Fiber Type	-	PM 1550 Panda fiber
package dimensions	mm	$\Phi 5.5 \times 55$
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

IL is 0.3 dB higher, RL is 5 dB lower, ER is 2 dB lower and Optical Power is 1W only for each connector added.
Connector key is aligned to slow axis.

Ordering Information

DPMF R	Wavelength	Optical Phase Delay	Working Axis	Pigtail Type	Fiber Length	Connector
1x1	1310nm 1550nm Specify	π , $\pi/2$, $\pi/4$, Specify	Fast axis blocked Both axes working	250um bare fiber 900um loose tube	0.5m 1m 1.5m 2m	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC