

Polarization Maintaining Isolator

Product Features

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

Product Applications

- Communication Systems
- Test Instrumentations
- Fiber Sensors
- Research

Specifications

Parameter	Unit	Value			
Stage		Single stage		Dual stage	
Grade		P	A	P	A
Center Wavelength (λ_c)		1310,1480,1550			
Operating Wavelength Range	nm	+/-20			
Typ.Peak Isolation	dB	42	40	58	55
Min. Isolation at 23°C	dB	28	26	48	45
Typ.Insertion loss at 23°C	dB	0.4	0.5	0.5	0.6
Max.Insertion loss at-5°C- 70°C	dB	0.55	0.65	0.65	0.8
Min Return Loss (Input/Output)	dB	55	55	55	55
Min.Extinction Ratio(only for B type)	dB	20	18	20	18
Min.Extinction Ratio(only for F type)	dB	25	23	25	23
Power handling(CW)	mW	500			
Tensile Load	N	5			
Fiber Type		PM1310,PM1550,PM panada fiber			
Package Dimension	mm	Φ5.5xL35			
Connector Type		SC, FC, LC / UPC, APC			
Operating Temperature	°C	-5 to +70			
Storage Temperature	°C	-40 to +85			

* Above specifications are for device without connector.

* For devices with connectors, it's 0.3dB higher for IL per connector, 5dB lower for RL and 3dB lower for ER.

* The PM fiber and the connector key are aligned to the slow axis

Ordering Information

PMI	Wave length	Grade	stage	Pigtail Type	Fiber Length	Axis Alignment	Connect or
1x1	1310nm 1480nm 1550nm Specify	P Grade A Grade	Single stage Dual stage	250um bare fiber 900um loose tube Specify	0.5m 1m 1.5m 2m Specify	Fast Axis blocked Both Axis working	N=None FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify