

1950/2000nm Polarization Maintaining Isolator

Product Features

- Low Insertion Loss
- Compact Size
- Environmental Stability

Product Applications

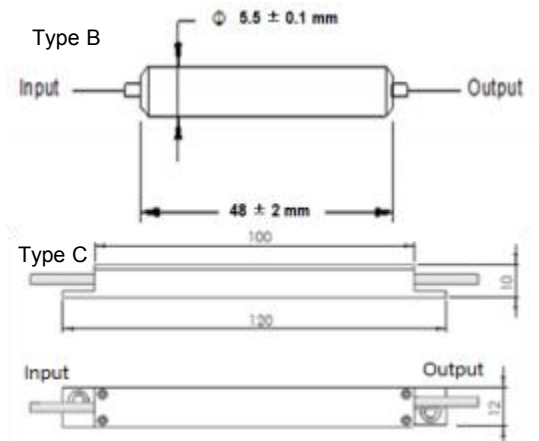
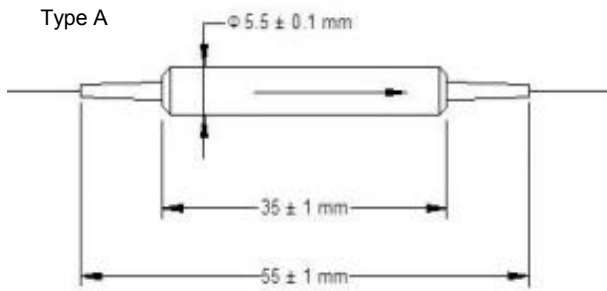
- Communication Systems
- Test Instrumentations
- Fiber Sensors
- Research

Specifications

Parameter	Unit	Single Stage	Dual Stage
Center Wavelength (λ_c)	nm	1950 or 2000	
Operating Wavelength Range	nm	$\lambda_c \pm 20$	
Max. Insertion Loss, 23 °C, all polarization states	dB	1.2	1.5
Min. Isolation, $\lambda_c \pm 20$ nm, 23 °C, all polarization states (PM1550)	dB	22	38
Min. Isolation, $\lambda_c \pm 20$ nm, 23 °C, all polarization states	dB	20	35
Min. Extinction Ratio (for PM1550 only)	dB	20	
Min. Extinction Ratio	dB	18	
Min. Return Loss (Input/Output)	dB	50/50	
Max. Optical Power	W	2	
Max. Peak Power for ns pulse	kW	10	
Max. Tensile Load	N	5	
Fiber Type		PM1550 fiber or Specify	
Operating Temperature	°C	-5 to +70	
Storage Temperature	°C	-40 to +85	

1, 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.

Package Dimensions



Ordering Information

Stage	Wave length	Handling Power	Fiber Type for In/out fiber	Working Axis	Pigtail Type	Fiber Length	Connector	Package Type
Single	1950nm	0.3W,	PM1550,	Fast axis	250um	0.5m	N=None	TypeA, TypeB, TypeC
Dual	2000nm Specify	1W, Specify	PM1950, PM-GDF-10-130- 2000-M, Specify	blocked Both axes working	bare fiber 900um loose tube Specify	1m 1.5m 2m Specify	FC/APC FC/UPC SC/APC SC/UPC LC/UPC Specify	