

1950/2000nm Polarization Maintaining Isolator

Product Features

- Low Insertion Loss
- Compact Size
- Environmental Stability

Product Applications

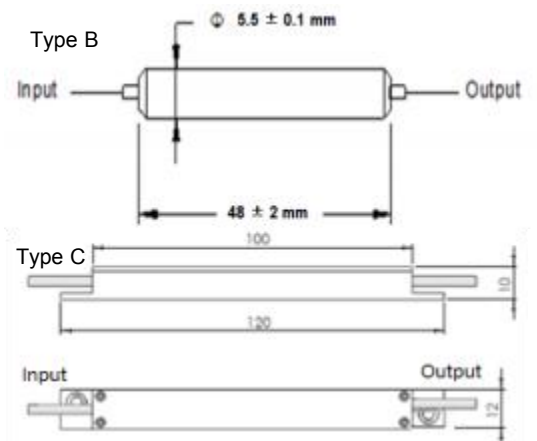
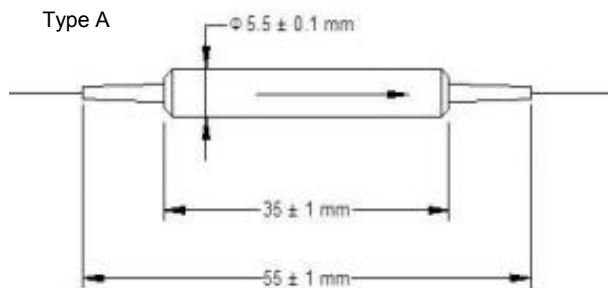
- Communication Systems
- Test Instrumentations
- Fiber Sensors
- Research

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,
Dual	2000nm	1W,	PM1950,	blocked	900um	1m	FC/APC	TypeB,
	Specify	Specify	PM-GDF-10-130-2000-M,	Both axes	loose	1.5m	FC/UPC	TypeC
			Specify	working	tube	2m	SC/APC	
					Specify	Specify	SC/UPC	
							LC/UPC	
							Specify	