

1030, 1040, 1050nm Polarization Insensitive / Sensitive Isolator (IS)

Features

- Wide Operating Wavelength
- High Isolation & Low Insertion Loss
- Low PDL
- Telcordia GR-1221 Compliant
- Polarization Insensitive and Polarization Sensitive (Dependent)

Application

- Fiber Amplifier
- Fiber Laser
- Gas Sensor
- Laser Cutting Machine

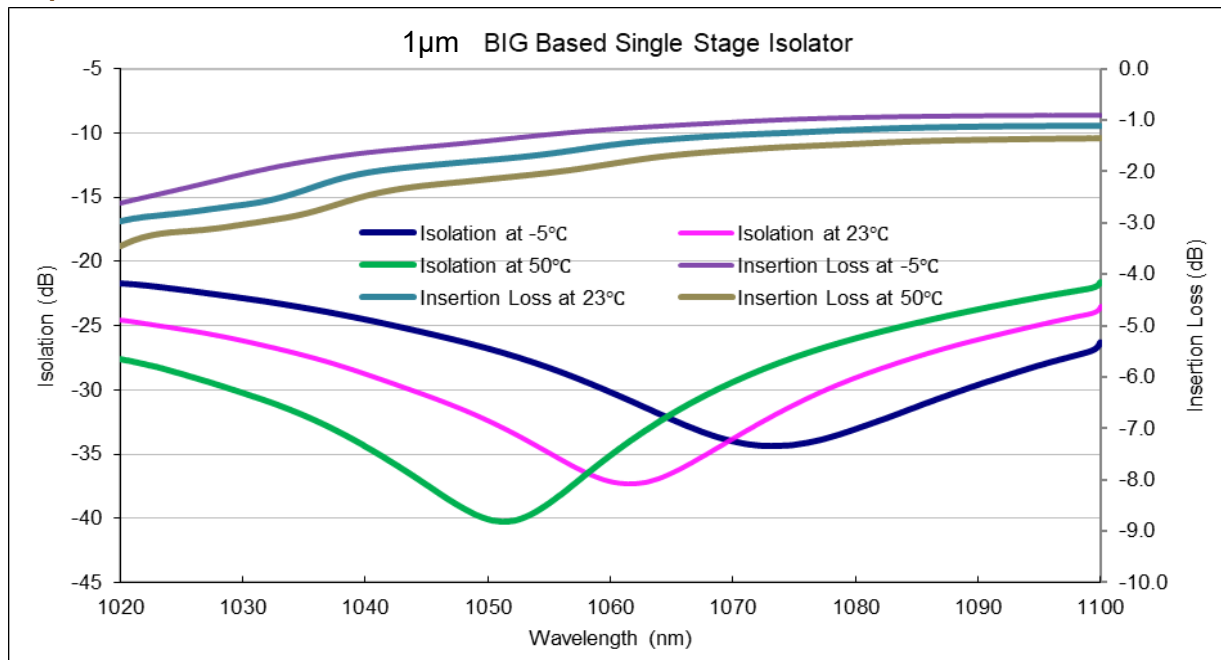


Specifications

Parameters	Unit	Single Stage	Dual Stage
Center Wavelength	nm	1030, 1040, 1050	
Peak isolation	dB	29	39
Min Isolation ($\lambda c \pm 5nm, 23^\circ C$ all sop)	dB	25	35
Typ. IL ($\lambda c \pm 5nm, 23^\circ C$ all sop)	dB	2.6	3.5
Insertion Loss ($\lambda c \pm 5nm, -5 \sim +50^\circ C$ all sop)	dB	2.9	3.8
Polarization Dependent Loss (PDL)	Polarization Insensitive	dB	0.15
	Polarization Sensitive	dB	≥ 20
PMD	ps	≤ 0.2	≤ 0.05
Return Loss (Input / Output) (RL)	dB	$\geq 50/50$	$\geq 50/50$
Fiber Type		HI1060, HI1060Flex	
Max Power Handling CW	mW	50	
Operating Temperature	$^\circ C$	-0 ~ +50	
Storage Temperature	$^\circ C$	-40 ~ +85	

Above data test at room temperature without connectors. With connectors, IL+0.3dB, RL-5dB.

Typical Spectrum



Package Information

Fiber Length	1m, others on request		
Pigtail Type	250µm Bare Fiber	900µm Loose Tube	2mm/3mm Loose Cable
Dimensions(mm)	φ5.5x35	φ5.5x35, 90x16x9	φ5.5x35(no boot), 90x16x9
Approx Weight (g)	35	50	65

