

BIG Based 1064nm High Power In Line Optical Isolator 2W

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

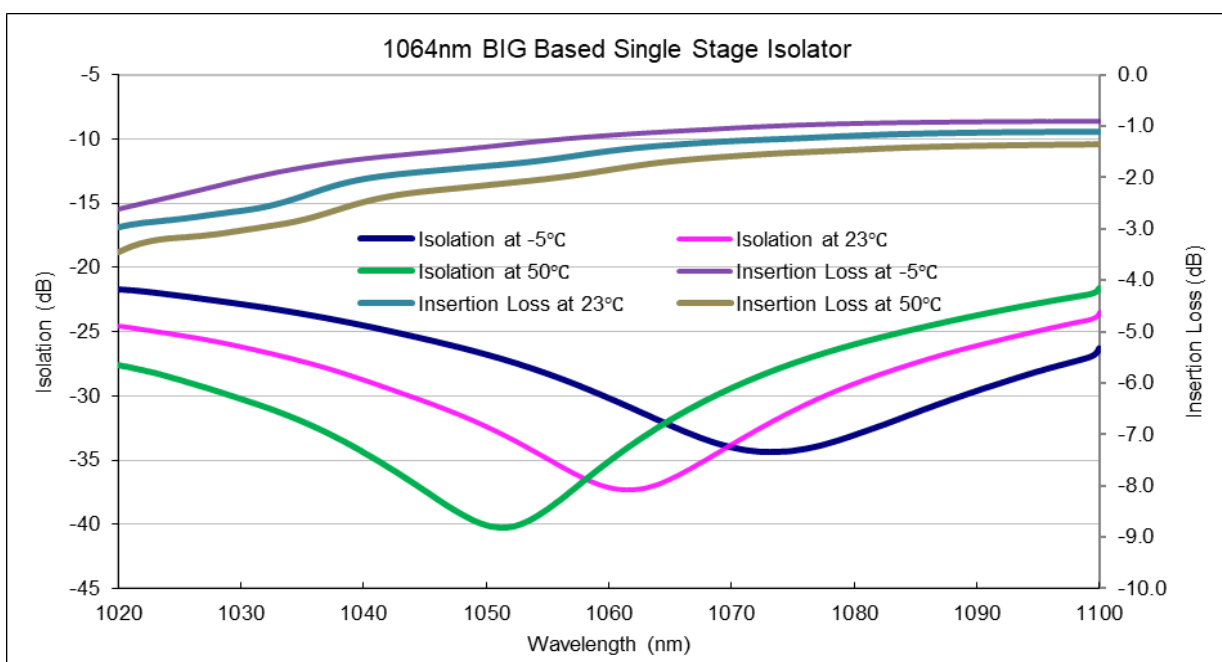
Parameters		Unit	Non-PM Fiber Isolator (HPIS)	PM Fiber Isolator (HPMIS)
Center Wavelength		nm	1064	
Bandwidth		nm	±5	
Peak isolation		dB	35	
Mini Isolation at 23℃		dB	28	
Insertion Loss at 23℃		dB	≤2.5 (Input Power 1W CW), ≤3.0 (Input Power 2W CW)	
Polarization Dependent Loss (PDL) (for SMF)		dB	≤0.20	-
PER (for PMF)	Both Axes Pass	dB	≥20	
	Fast Axis Blocked	dB	≥22	
Return Loss (Input / Output) (RL)		dB	≥50/50	≥50/50
Fiber Type		-	HI1060, 10/125 SCF, 125 DCF10	PM980, PM10/125SCF, PM10/125DCF
Max Power Handling CW		W	2	
Max Power Handling Pulse Peak		kW	10	
Operating Temperature		℃	-10 ~ +50	
Storage Temperature		℃	-40 ~ +85	

Above data test at room temperature without connectors. With connectors, IL+0.3dB, RL-5dB, PER-2dB.

Optical Power 1W only after connector added.

Default connector key is aligned to slow axis.

Default FC connector key width 2.02mm (narrow key), 2.12mm (wide key) available on request. Key aligned to slow axis.



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①	Type	1064;
②	Wavelength	1=Polarization Sensitive; 2=Polarization Insensitive;
③	Axis Alignment	250=250μm Fiber; 900=900μm Loose Tube; 2000=2mm Loose Cable; 3000=3mm Loose Cable;
④	Pigtail Type	4=HI1060; 10/125 SCF; 125DCF10; PM980; PM10/125SCF; PM10/125DCF;
⑤	Fiber Type	1=1m; XX=other;
⑥	Fiber Length	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑦	Connector	1W; 2W; P=Pulse;
⑧	Package size	58x28x26;