

980, 1030, 1040, 1050, 1064nm High Power Isolator (HPIS / HPMIS)

Features

Wide Operating Wavelength
High Isolation & High PER
Telcordia GR-1221 Compliant
Available for Both Axes Pass or Fast Axis Block

Application

Fiber Amplifier
Laser Cutting Machine
Fiber Laser
Fiber Optical Instrument



Specifications

Parameters		Unit	Non-PM Fiber Isolator (HPIS)	PM Fiber Isolator (HPMIS)
Center Wavelength		nm	980, 1030, 1040, 1050, 1064	
Bandwidth		nm	±10	
Peak isolation		dB	32~40	32~40
Mini Isolation at 23℃		dB	26	26
Insertion Loss at 23℃		dB	≤1.0	≤1.0
Polarization Dependent Loss (PDL) (for SMF)		dB	≤0.15	-
PER (for PMF)	Both Axes Pass	dB	≥18	
	Fast Axis Blocked	dB	≥20	
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	1, 2, 3, 5, 10, 20	
Operating Temperature		℃	-5 ~ +50	
Storage Temperature		℃	-40 ~ +85	

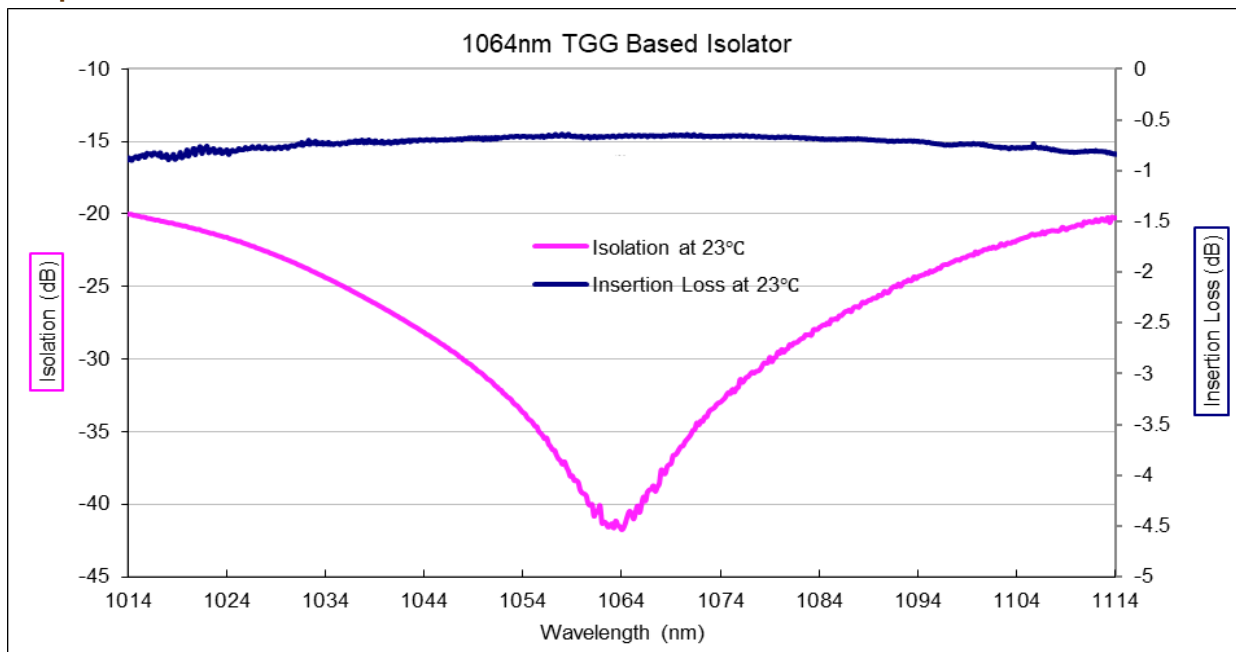
Above data test at room temperature without connectors. With connectors, IL+0.3dB, RL-5dB, PER-2dB.

Optical Power 1W only after connector added.

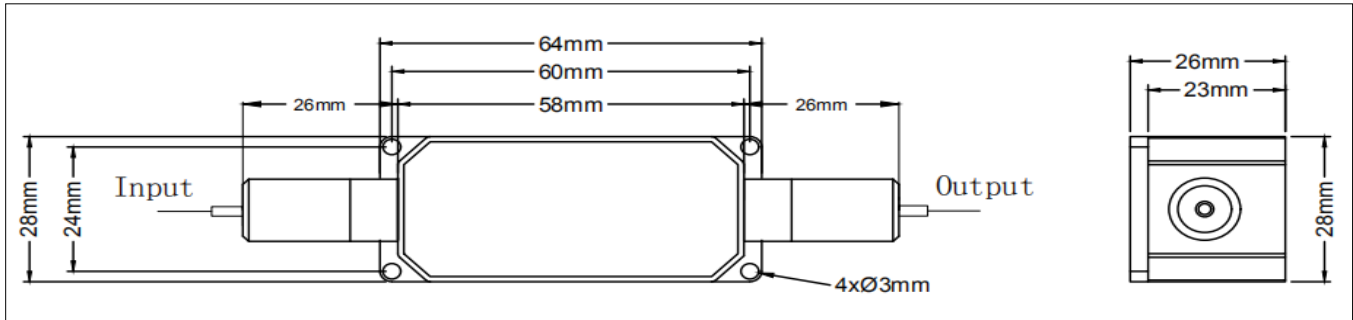
Default connector key is aligned to slow axis.

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

Typical Spectrum



Package Information



Ordering Information

HPIS- (1)(1)(1)(1)-2-(3)(3)(3)-4-(5)-(6)(6)-(7)(7)-(8)(8)(8)(8)(8)(8)(8)

①	Wavelength	980 ; 1030 ; 1040 ; 1050 ; 1064;
②	Axis Alignment	F=Fast Axis Blocked; B=Both Axes Working;
③	Pigtail Type	250=250μm Fiber; 900=900μm Loose Tube; 2000=2mm Loose Cable; 3000=3mm Loose Cable;
④	Fiber Type	4=HI1060; 10/125 SCF; 125DCF10; PM980; PM10/125SCF; PM10/125DCF;
⑤	Fiber Length	1=1m; XX=other;
⑥	Connector	NE=None; FA=FC/APC; FC=FC/UPC; SA=SC/APC; SC=SC/UPC; LC=LC/UPC; XX=Others;
⑦	Power Handling	1W; 2W; 3W; 5W; 10W; 20W;
⑧	Package	58x28x26;