

1053nm 300mW Non-PM Isolator (Faraday Based)

Features

Low Insertion Loss
 High Return Loss
 High Isolation
 High Stability & Reliability

Applications

MOPA Fiber Laser
 Test Instruments
 Fiber Laser
 Research

Specifications

Parameter	Unit	Value	
Type	-	Polarization Insensitive	
Stage	-	Single	Dual
Center Wavelength	nm	1053	
Operating Wavelength Range	nm	±5	
Typ. Peak Isolation at 23°C	dB	35	52
Min. Isolation at 23°C	dB	28	45
Typ. Insertion Loss at 23°C	dB	1.8	2.8
Max. Insertion Loss at 23°C	dB	2.0	3.5
Min. Return Loss at 23°C (input/output)	dB	50/50	
Max. Polarization Dependent Loss at 23°C	dB	0.15	
Max. Optical Power (CW)	mW	300	
Max. Tensile Load	N	5	
Fiber Type	-	Single-mode fiber	
Operating Temperature	°C	-5~+50	
Storage Temperature	°C	-40~+85	

*With connectors, IL is 0.3dB higher and RL is 5dB lower.

Package Dimensions



Ordering Information

PIIS-①①①①-②③-④④④-⑤⑥-⑦-⑧⑧

①①①①	- Wavelength:	1053=1053nm, SSSS=Specified
②	- Core Type:	S=Single-core stage, D=Dual-core stage
③	- Working Axis:	N=Non-PM
④④④	- Fiber Type:	004=Hi1060, SSS=Specified
⑤	- Package:	0=φ5.5x35mm
⑥	- Dimensions:	0=bare fiber, 1=900μm loose tube, S=Specified
⑦	- Pigtail Type:	0.8=0.8m, 1.0=1m, S=Specified
⑧⑧	- Connector Type:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, N=None, S=Specified