

1064nm Optical Isolator

Features

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

Applications

Communication Systems
Test Instruments
Fiber Sensor
Research

Specifications

Parameter	Unit	Value			
Stage	-	Single		Dual	
Grade	-	P	A	P	A
Center Wavelength	nm	1064			
Operating Wavelength Range	nm	±5			
Typ. Peak Isolation	dB	40	38	55	52
Min. Isolation at 23℃	dB	32	28	45	42
Typ. Insertion Loss at 23℃	dB	1.5	1.6	2.4	2.6
Max. Insertion Loss at 23℃	dB	1.8	2.2	3.2	3.4
Min. Return Loss (input/output)	dB	50/50	50/50	50/50	50/50
Max. Polarization Dependent Loss at 23℃	dB	0.15			
Max. Optical Power(CW)	mW	300			
Max. Tensile Load	N	5			
Operating Temperature	℃	-5~+50			
Storage Temperature	℃	-40~+85			

For device with connector, IL is 0.3dB higher, RL is 5dB lower.

Package Dimensions



Ordering Information

PIIS-1111-23-444-567-88

1111	-Center Wavelength:	1064=1064nm
2	-Grade:	P=P grade, A=A grade
3	-Stage:	S=Single-core stage, D=Dual-core stage
444	-Fiber Type:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
5	-Package Dimension:	0=φ5.5x35mm, S=Specified
6	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
7	-Fiber Length:	0=0.8m, 1=1m
88	-Connector for In, Out:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC