

1550nm PM Tap Isolator

Features

- Low Insertion Loss
- High Return Loss
- High Extinction Ratio
- High Isolation

Applications

- Compact Fiber Amplifiers
- Compact Fiber Optical System
- Fiber Laser
- Fiber Sensor

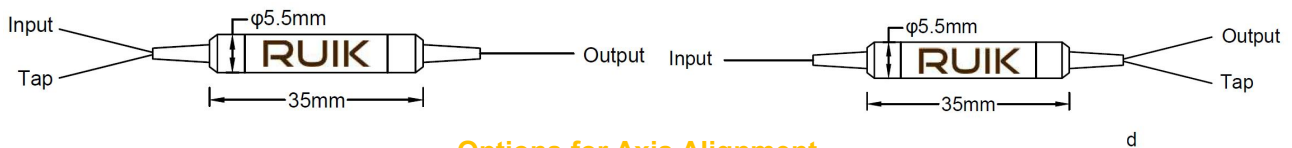
Specifications

Parameter	Unit	Value	
		Single	Dual
Stage	-	Single	Dual
Operating Wavelength Range	nm	1530~1570	
Max. Excess Loss	dB	1.0	1.2
Signal Tap Ratio	%	1±0.2%, 5±1%, 50±2%	1±0.2%, 5±1%, 50±2%
Typ. Peak Isolation	dB	40	52
Min. Isolation at 23°C	dB	28	45
Min. Extinction Ratio at 23°C	dB	20	
Min. Return Loss	dB	50	
Max. Optical Power(CW)	mW	500	
Max. Tensile Load	N	5	
Operating Temperature	°C	0~+70	
Storage Temperature	°C	-40~+85	

For device with connector, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB lower.

The default connector key is aligned to slow axis.

More Details



Options for Axis Alignment

Option 1,

- Input to Output: Fast axis blocked,
- Input to Tap: Both axis working,

Option 2,

- Input to Output: Both axis working,
- Input to Tap: Both axis working,

Option 3,

- Input to Output: Both axis working,
- Input to Tap: PM to SM, Polarization Insensitive

Option 4,

- Input to Output: Fast axis blocked,
- Input to Tap: Fast axis blocked,

Option 5,

- Input to Output: Fast axis blocked,
- Input to Tap: PM to SM, Polarization Sensitive

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Ordering Information

PMTIS-1111-2334-555-666-789-AAA

1111	-Center Wavelength:	1550=1550nm,.....
2	-Stage:	S=Single-core stage, D=Dual-core stage
33	-Tap ratio:	01=1%, 02=2%,, 50=50%
4	-Axis Alignment:	1=Option 1, 2=Option 2, 3=Option 3, 4=Option 4, 5=Option 5
555	-Fiber Type for In & Out:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
666	Fiber Type for Tap:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
7	-Package Dimension:	0=φ5.5x35mm, S=Specified
8	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
9	-Fiber Length:	0=0.8m, 1=1m
AAA	-Connector for In, Out, Tap:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None