PM Isolator & WDM Hybrid (T1550R980)

Features

- Low Insertion Loss
- High Return Loss
- High Isolation
- High Extinction Ratio
- High Reliability & Stability

Applications

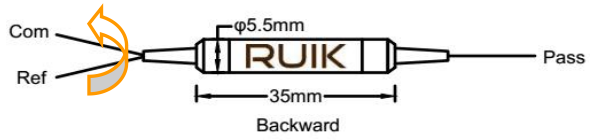
- Fiber Laser
- Fiber Amplifier
- Testing Equipment

Specifications

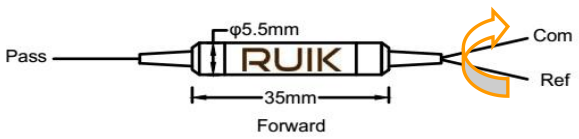
Parameter		Unit	Value	
Stage		-	Single	Dual
Signal Channel	Signal Wavelength Range	nm	1535~1565	
	Max. Insertion Loss	dB	0.9	1.0
	Typ. Peak Signal Reversed Isolation, at 23℃	dB	40	52
	Min. Signal Reversed Isolation, at 23℃	dB	28	45
	Min. Isolation (Com to Pass @ Ref band Wavelength)	dB	30	
	Min. Extinction Ratio at 23℃	dB	20	
Reflection Channel	Wavelength Range	nm	960~990 or 1460~1490	
	Max. Insertion Loss	dB	0.6	
	Min. Isolation (Com to Ref @ Pass band Wavelength)	dB	15	
	Min. Extinction Ratio at 23℃	dB	18	
Min. Return Loss		dB	50	
Max. Insertion Loss Thermal Stability		dB/℃	0.005	
Max. Optical Power(CW)		mW	300	
Max. Tensile Load		N	5	
Operating Temperature		℃	-5~+70	
Storage Temperature		℃	-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.

Package Dimensions



Signal Route: Com to Pass
Pump Route: Ref to Com



Signal Route: Pass to Com
Pump Route: Ref to Com

Ordering Information

PMIWDM-1111-234-555-666-789-AAA

1111	-Operating Wavelength:	5598=1550nm Signal, 980nm Pump
2	-Stage:	S=Single-core stage, D=Dual-core stage
3	-Pump Type:	F=Forward, B=Backward
4	-Axis Alignment for Signal Route:	B=Both Axis Working, F=Slow Axis Working, Fast Axis Blocked
555	-Fiber Type for Com & Pass:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
666	-Fiber Type for Ref	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 Com, Ref, Pass:	0=FC/UPC,1=FC/APC,2=SC/UPC,3=SC/APC,4=LC/UPC,5=LC/APC