

PM Tap & Isolator & WDM Hybrid, 1550/980

Features

Low Insertion Loss
High Return Loss
High Extinction Ratio
High Isolation

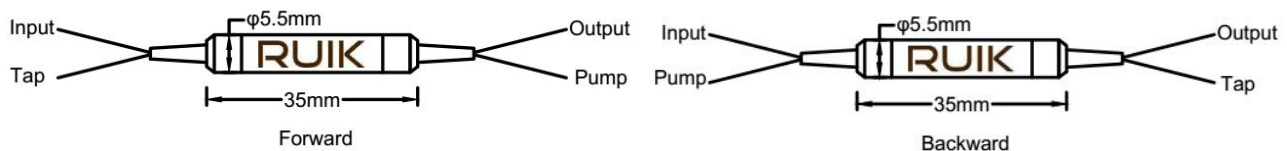
Applications

EDFA
Pump Laser
Optics Cutting
Research

Specifications

Parameter	Unit	Value	
Stage	-	Single	Dual
Signal Wavelength Range	nm	1528~1565(C Band) 1570~1605(L Band)	
Max. Excess Loss, λ_c , at 23°C (Input to Output)	dB	1.3	1.4
Min. Signal Isolation, λ_c , at 23°C (Output to Input)	dB	31	45
Isolation for Channels	Signal Channel	dB	30
	Pump Channel	dB	12
Tap Ratio	%	1~50	
Pump Wavelength Range	nm	980+/-10	
Max. Insertion Loss (Pump Channel)	dB	0.6	
Min. Extinction Ratio at 23°C, only for PM Channel	dB	20	
Min. Return Loss	dB	50	
Max.Optical Power(CW)	mW	300	
Max.Tensile Load	N	5	
Operating Temperature	°C	-5~+50	
Storage Temperature	°C	-40~+85	

More Details



Option 1, Forward pump

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

Option 2, Forward pump

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

Option 3, Backward pump

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

Option 4, Forward pump

Input to Tap: PM to SM, PI
Input to Output: Fast axis blocked

Option 5, Forward pump

Input to Tap: PM to SM, PI
Input to Output: Both axis working

Option 6, Backward pump

Input to Tap: PM to SM, PS
Input to Output: Fast axis blocked

PI: Polarization Insensitive

PS: Polarization Sensitive

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Ordering Information

PMTIWDM-1111-2344-555-666-777-89A-BCDE

1111	-Operating Wavelength:	1598=T1550/R980nm, 0398=T1030/980nm
2	-Axis Alignment:	1=Option 1, 2=Option 2, 3=Option 3, 4=Option 4, 5=Option 5, 6=Option 6
3	-Core Stage:	S=Single-core Stage, D=Dual-core Stage
44	-Tap ratio:	01=1%, 02=2%,, 50=50%
555	-Fiber type for In & Out:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
666	-Fiber type for Pump:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
777	-Fiber type for Tap:	001=PM1550, 002=PM1310, 003=PM980, 004=Hi1060, 008=SMF-28E
8	-Package Dimension:	0=φ5.5x35mm, 1=φ5.5x50mm, S=Specified
9	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
A	-Fiber Length:	0=0.8m, 1=1m
B	-Connector Type for Input:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None
C	-Connector Type for Output:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None
D	-Connector Type for Pump:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None
E	-Connector Type for Tap:	0=FC/UPC, 1=FC/APC, 2=SC/UPC, 3=SC/APC, 4=LC/UPC, 5=LC/APC, N=None

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