

PM Tap & Isolator & WDM Hybrid (up to 20W, 06/98)

Features

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

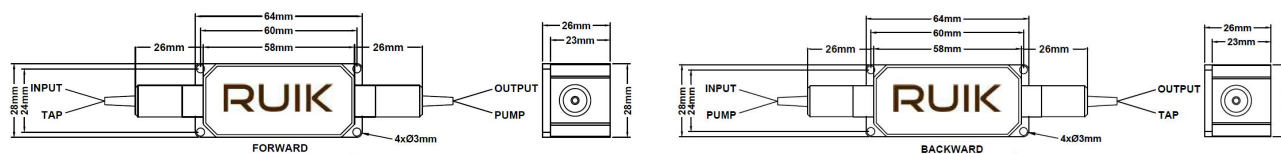
Applications

PM Fiber Amplifier
Testing Instrument
Mopa Fiber Laser
Fiber Laser

Specifications

Parameter	Unit	Value
Signal Wavelength Range	nm	1064 ± 10 or 1030 ± 10
Max. Excess Loss, λ_c , at 23°C (Input to Output)	dB	1.7+the theoretical value
Min. Signal Isolation, λ_c , at 23°C (Output to Input)	dB	25
Isolation for Channels	Signal Channel	dB
	Pump Channel	dB
Signal Tap Ratio	%	1,5,10,50 or specified
Pump Channel Wavelength Range	nm	960~990
Max. Insertion Loss (Pump Channel)	dB	0.8
Min. Extinction Ratio at 23°C, only for PM	dB	18
Min. Return Loss	dB	50
Max. Optical Power(CW)	W	1,2, ...20
Max. Tensile Load	N	5
Operating Temperature	°C	5~+55
Storage Temperature	°C	-0~+75

Package Dimensions



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-BBBB-CCDD

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=58x28x26mm, 1=150x28x26mm
9	-Pigtail Type:	0=250μm bare fiber, 1=900μm loose tube
A	-Fiber Length:	0=0.8m, 1=1m
BBBB	-Connector for In,Out,Pump,Tap:	0=FC/UPC,1=FC/APC,2=SC/UPC,3=SC/APC,4=LC/UPC,5=LC/APC
CC	-Average Power:	00=300mW, 01=1W, 02=2W,....., 05=5W.....,20=20W
DD	-Peak Power	10=10kW, 20=20kW