PM Fiber Tap/Isolator WDM Hybrid Device (PMTIWDM)

Features
High ER & High Isolation Low Insertion Loss High Stability and Reliability
Application
Fiber Amplifier Fiber Laser Fiber optic Instrument

Specifications:

Parameter		980/1550		1480/1550	
Isolator stage		Single stage	Dual stage	Single stage	Dual stage
Signal Wavelength Range(mm)		1530-1565		1530-1565	
Pump Wavelength Range(nm)		960~990		1460~1490	
Signal Tap Ratio (%)		1±0.2, 2±0.4, 5±1, 10±2,50			
Typ.Signal Peak Isolation(dB)		40	55	40	55
Signal Isolation at 23 °C(dB)		≥30	≥48	≥30	≥48
Pump Insertion Loss(dB)		≤0.6	≤0.6	≤0.5	≤0.5
Signal Insertion Loss(dB)	Tap 1%	≤1.1		≤1.2	
	Tap 2%	≤1.2		≤1.3	
	Tap 5%	≤1.3		≤1.4	
	Tap 10%	≤1.5		≤1.6	
	Tap 50%	≤4.2		≤4.3	
Extinction Ratio (dB)	Type 1 (Fast axis blocked)	≥22			
	Type 2 (Both of axis working)	≥20			
Return Loss (dB)		≥50			
Directivity (dB)		≥50			
Fiber Type	Common /Tap/Signal Port	PM1550		PM1550	
	Pump Port	HI1060 or PM 980		SMF-28e or PM 1550	
Optical Power (mW)		≤300			
Operating Temperature(°C)		0 ~ +70			
Storage Temperature(°C)		-40~ + 85			
Package Dimension (mm)		φ5.5x35			

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

Ordering Information

PMTIWDM	Wavelength	Stage	Coupling Ratio	Working axis	Pigtail Type	Fiber Type	Length	Connector
	1550T/980R 1550T/1480R	S=Single Stage D=Dual Stage	1% 2% 5% 10%	1=Fast Axis Blocked 2=Both Axis Working	250=250um bare fiber 900=900um loose tube	1=SMF-28e 4=HI1060 5=PM Fiber	0.8=0.8 m	NE=None FC=FC/UPC SC=SC/UPC FA=FC/APC SA=SC/APC LC=LC/UPC ST=ST/UPC XX=Other