

# PM Isolator + Filter WDM Hybrid (PMIWDM T1550/R980, T1550/R1060)

## Product Description

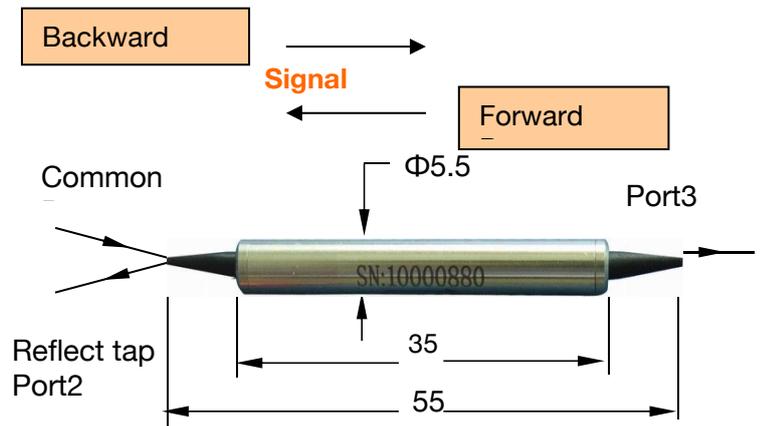
The PM Hybrid device combines 3-function: Tap, isolator and WDM into one compact package, it can be built as customer request, tap ratio and pump direction.

## Product Features

- Low Insertion Loss
- Compact size
- Fullfill 2 function in one package

## Product Applications

- Fiber Lasers
- Fiber Sensors
- PM EDFA



Specifications				
Parameters		Unit	Value	
Stage		---	Single stage	Dual stage
Passband (Signal transmission)	Wavelength Range	nm	1530~1565	
	Insertion Loss	dB	≤0.9	≤1.0
	Typ. Insertion Loss	dB	0.7	0.8
	Isolation @ Tr	dB	≥30	≥48
	Typ. Isolation @ Tr	dB	40	55
Reflection band (Pump port)	Wavelength Range	nm	980nm pump(960~990) or 1480nm pump(1470~1490)	
	Insertion Loss	dB	≤0.5	
	Typ. Insertion Loss	dB	0.3	
Return Loss		dB	≥50	
Signal Extinction Ratio		dB	≥22 (F type), ≥20 (B type)	
Thermal Stability		dB/°C	≤0.005	



Power Handling (CW)	mW	≤300
Tensile Load	N	≤5
Fiber Type (All 3 ports can be on demand)	-	Common and pass port: PM 1550 panda fiber 980nm pump: HI1060 on reflec port 1480pump: SMF-28e on reflect port.
Pumping type	-	See above schematics
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

**Remark**

- \* Above specifications are for device without connector.
- \* For devices with connectors, please refer to PM patchcord spec.
- \* The PM fiber and the connector key are aligned to slow axis.(Default if customer no special request)

Ordering Information							
PMIW DM	Wavelength	Pump type	Stage	Working axis	Pigtail type	Length	Connector
1X2	1550T/980R 1550T/1480R	Forward pump Backward pump	Single stage Dual stage	Fast axis blocked  Both axis working	Bare fiber 0.9mm loose tube	0.8=0.8m 1=1m	NE=Non e FC/APC SC/UPC FC/APC SC/APC LC/UPC ST/UPC Other