

# Polarization Maintaining Tap Isolator



## Product Features

- Low Insertion Loss
- High Extinction Ratio
- High Return Loss

## Product Applications

- Fiber Amplifier
- Optical Communication System

## Specifications

Stage			Single Stage	Dual Stage
Central Wavelength ( $\lambda_c$ )		nm	1310, 1480 or 1550	
Operating Wavelength Range		nm	$\pm 15$	
Excess Loss	Max.	dB	0.8	0.9
Extinction Ratio	Min.	dB	20	20
Peak Isolation	Typ.	dB	40	55
Isolation, $\lambda_c \pm 10\text{nm}$ , 23°C	Min.	dB	30	45
Return Loss	Min.	dB	50	
Optical Power (Continuous Wave)	Max.	mW	300	
Tensile Load	Max.	N	5	
Directivity		dB	50	
Operating Temperature		°C	-5 to +70	
Storage Temperature		°C	-40 to +85	

IL is 0.3 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

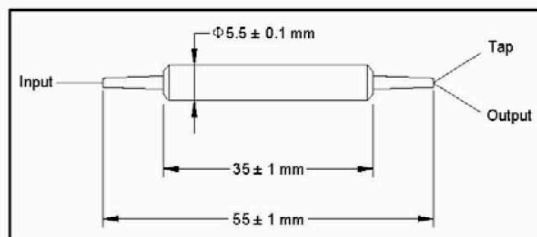
The optical path is aligned to slow axis and fast axis is blocked.

## Splitting Ratio & Its Tolerance

Splitting Ratio	Maximum Splitting Ratio Tolerance (%)
1/99	$\pm 0.2$
2/98	$\pm 0.4$
4/96	$\pm 0.8$
5/95	$\pm 1.0$
90/10	$\pm 2.0$

Fiber Type	Tap Port
Type 1	G652 or Equivalent Fiber
Type 2	Panda Fiber

## Package Dimensions



## Ordering Information

P	M	T	I								
				Stage D=Dual S=Single	Wavelength 4=1550nm 5=1480nm 7=1310nm	Splitting Ratio 01=1:99 02=2:98 04=4:96 05=5:95 10=90:10	Pigtail S=250μm bare fiber pigtail M=0.9mm loose tube	Fiber Type 1=Type 1 2=Type 2	Fiber Length 0=0.5m 1=0.75m 2=1.0m	Connector 0=None 3=FC/APC 5=SC/APC 7=FC/UPC 8=SC/UPC	Working Axis F=Fast axis blocked

Note: All specifications are before connectors and are subject to change without notice.