

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 (λ_c)		nm	1310, 1480 or 1550	
Operating Wavelength Range		nm	± 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.

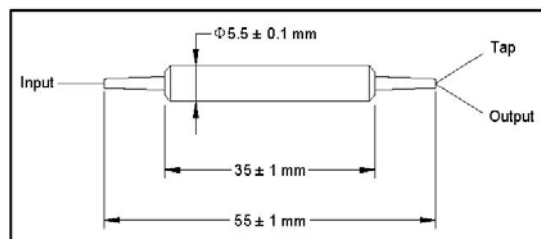
The optical path is aligned to slow axis and fast axis is blocked.

Splitting Ratio & Its Tolerance

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

Fiber Type	Tap Port
Type 1	SM28e or Equivalent Fiber
Type 2	Panda Fiber

Package Dimensions



Ordering Information

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

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