

1900~1970nm PM Tap Isolator Hybrid for Pulse Power

FEATURES

- ▣ Low Excess Loss
- ▣ Various Splitting Ratio
- ▣ Wide Passband
- ▣ High Stability and Reliability
- ▣ Epoxy Free Optical Path

APPLICATIONS

- ▣ Optical Amplifier
- ▣ Optical Networks
- ▣ Power Monitoring
- ▣ Fiber Sensor
- ▣ Lab



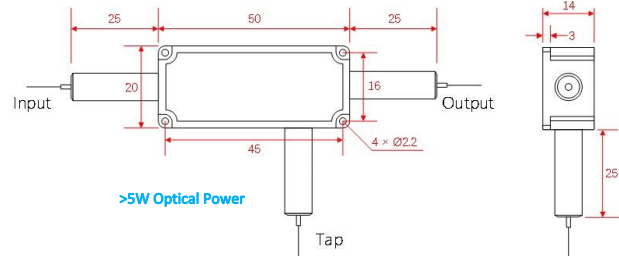
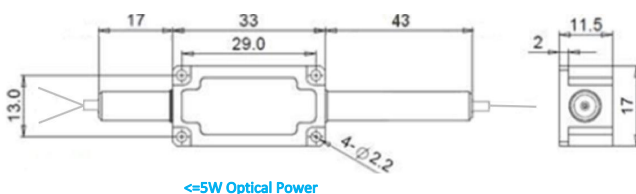
SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage	H Stage
Working Wavelength	nm	1900±10, 1930±20, 1950±20, 1970±20		
Split Ratio	%	0.1:99.9, 1:99, 2:98, 5:95, 10:90, 20:80, 30:70, 40:60, 50:50		
Tap Ratio	-	0.1%, 1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 40%, 50%		
Excess Loss	Max. dB	1.6	2.0	2.0
Min. Isolation (23°C)	dB	10	25	25
Extinction Ratio	dB	≥18		
Working Mode	S Type	-	Tap Input Light before Isolator, Can only work in Slow Axis	
	F Type	-	Tap Input Light before Isolator, work in Slow & Fast Axis	
	B Type	-	Tap Input Light after Isolator, Can only work in slow axis	
Optical Return Loss	dB	≥50		
Fiber Type	Thru Port	-	PM1550 Fiber or PM1950 Fiber (V)	
	Tap Port	-	10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
Fiber Tensile Load	N	5		
Max. Average Optical Power	W	0.3, 0.5, 1, 2	3, 5, 10, 15, 20, 25, 30, 40, 50, 60	
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-40~85		
Package	Stainless Steel Tube (SST)	mm	∅5.5xL35	
Dimension	Metal Box	mm	L120xW12xH10	

See Drawing

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

PACKAGE DIMENSION (H STAGE)



ORDERING INFORMATION (PN)

FPTI-NNNN	- C	C	NN	C	- HNN	P NN	-(C)	C	C	NN	- CC/CCC
Wavelength	Stage	Type	Split Ratio	Tap Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900-1900nm	S=Single Stage	S=S Type	01=1/99	Y= Same Fiber	03=300mW	01= 100W	M= Metal Box	2=PM1550Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1930-1930nm	D=Dual Stage	F=F Type	10=10/90	S=Corr. SM Fiber	1= 1W	1=1kW	Blank for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1950-1950nm	H=H Stage	B=B Type	30=30/70	A=105/125um Fiber	5= 5W	5=5kW	or >2W	O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1970-1970nm			50=50/50		20=20W	20=20kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector