

1020-1120nm High Power PM Tap Isolator Hybrid

FEATURES

- Low Excess Loss
- High Stability and Reliability
- Epoxy Free Optical Path

APPLICATIONS

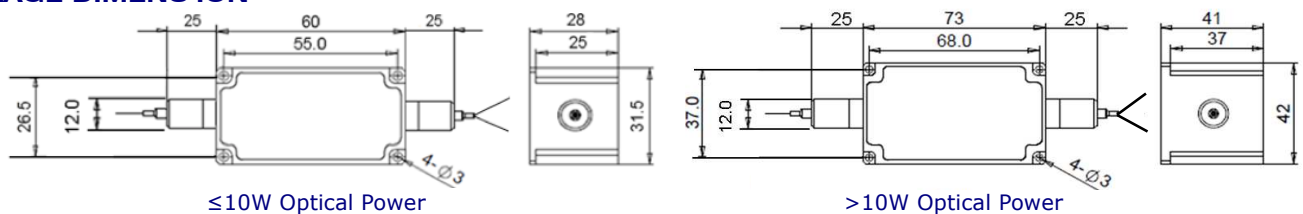
- Optical Amplifier
- Optical Networks
- Power Monitoring

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	1030, 1040, 1053, 1064, 1070, 1080, 1092, 1120	
Bandwidth	nm	+/-10	
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 1.8	
Min. Isolation (23°C)	dB	20	
Extinction Ratio	dB	≥18	
Working Mode	S Type	-	Tap is before Isolator, Can only work in Slow Axis
	F Type	-	Tap is before Isolator, work both in Slow Axis and Fast Axis
	B Type	-	Tap is after Isolator, Can only work in slow axis
Optical Return Loss	dB	≥45	
Fiber Type	Tap Port	-	Same fiber, Corr. SM Fiber or 105/125um MM Fiber
	Thru Port	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L)
		-	10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)
			20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)
Fiber Tensile Load	N	5	
Max. Optical Power (CW)	W	0.5, 1, 2, 3, 5, 10, 15, 20, 30	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
 2. To add connectors, IL is 0.5dB 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



ORDERING INFORMATION (PN)

FPTI-NNNN	- C	NN	(C)	- HP NN	- C	C	NN	-CC/CCC
Wavelength	Type	Split Ratio	Tap Port Fiber	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030-1030nm	S=S Type	01=1/99	S=Corr. SM Fiber	05=500mW	2=PM980 Panda Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1064-1064nm	F=F Type	10=10/90	A=105/125um Fiber	5=5W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1080-1080nm	B=B Type	30=30/70	Blank for Same Fiber	10=10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1120-1120nm		50=50/50		20=20W	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UFC=SC/UFC Connector