

## 900~950nm High Power PM Tap Isolator Hybrid for Pulse Power

### FEATURES

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

### APPLICATIONS

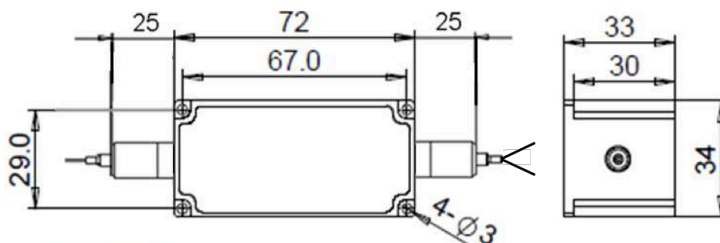
- Optical Amplifier
- Optical Networks
- Power Monitoring

### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	915, 930, 940, 950	
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 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	≥45	
Fiber Type	Tap Port	-	Same fiber, Corr. SM Fiber or 105/125um MM Fiber
	Thru Port	-	PM850 Fiber, PM980 Fiber or PM1060L Fiber(E)
		-	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. Average Optical Power	W	0.5, 1, 2, 3, 5, 10, 15, 20, 30	
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	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.7dB 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-NNN	- C	NN	(C)	- H NN	P NN	- C	C	NN	-CC/CCC
Wavelength	Type	Split Ratio	Tap Port Fiber	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
915-915nm	S=S Type	01=1/99	S-Corr. SM Fiber	05=500mW	01=100W	2=PM850 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
930-930nm	F=F Type	10=10/90	A=105/125um Fiber	5=5W	1=1kW	H=PM980 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
940-940nm	B=B Type	30=30/70	Blank for Same Fiber	10=10W	5=5kW	E= PM1060L Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
950-950nm		50=50/50		20=20W	10=10kW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

