

960~1000nm High Power PM Tap Isolator Hybrid for Pulse Power

FEATURES

- Low Excess Loss
- High Stability and Reliability
- Epoxy Free Optical Path
- Optical Amplifier
- Optical Networks
- Power Monitoring

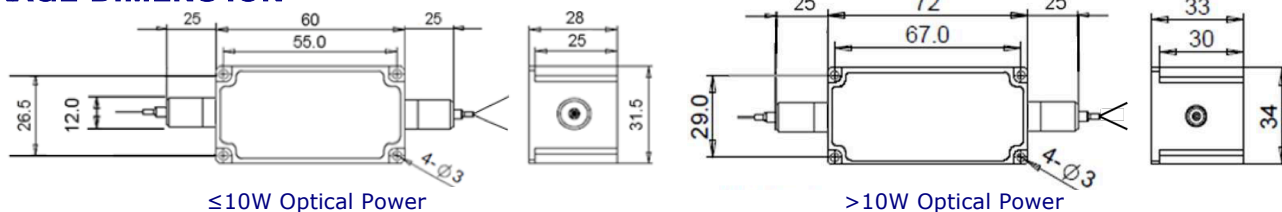
APPLICATIONS

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	975, 980, 990, 1000	
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	-	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. 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 0.5dB 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-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	
975-975nm	S=S Type	01=1/99	S-Corr. SM Fiber	05=500mW	01=100W	2=PM980 Panda Fiber	B= Bare Fiber	05=0.5m	N=Without Connector	
980-980nm	F=F Type	10=10/90	A=105/125um Fiber	5=5W	1=1kW	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
990-990nm	B=B Type	30=30/70	Blank for Same Fiber	10=10W	5=5kW	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
1000-1000nm		50=50/50		20=20W	10=10kW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	