

1020-1120nm 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

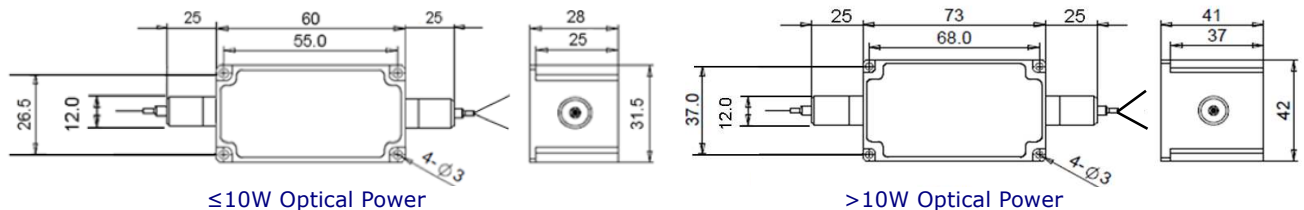
APPLICATIONS

SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength	nm	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. 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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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)	-	H NN	P	NN	-	C	C	NN	-CC/CCC
Wavelength	Type	Split Ratio	Tap Part Fiber	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type			
1030-1030nm	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			
1064-1064nm	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			
1080-1080nm	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			
1120-1120nm		50=50/50		20=20W	10=10kW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector			