1092nm 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
Center Wavelength		nm	1092	
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	≤2.7	≤4.2
Peak Isolation	Typ.	dB	25	45
Min. Isolation (23°C)		dB	≥22	≥40
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	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		mW	300	
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 Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x35	
	Metal Box	mm	(L)120x(W)12x(H)10	

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.

ORDERING INFORMATION (PN)

FPTI-NNNN - C C NN (C) -H NN 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*
1092=1092nm	S=Single Stage	S=S Type	01=1/99	S=Corr. SM Fiber	03=300mW	01= 100W	M=Metal Box	2=PM980 Panda Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
	D=Dual Stage	F=F Type	10=10/90	A=105/125um Fiber		1=1kW	*Blank* for SST	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		B=B Type	30=30/70	*Blank* for Same Fiber		5=5kW		Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			50=50/50			10=10kW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector