

2000nm PM Tap Isolator Hybrid

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	2000	
Bandwidth	nm	+/-20	
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	1.5
Peak Isolation	Typ.	dB	20
Min. Isolation (23°C)		dB	16
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	-	PM1550 Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)
Fiber Tensile Load		N	5
Max. Optical Power (CW)		mW	300
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package	Stainless Steel Tube (SST)	mm	(Ø)5.5x35
Dimension	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 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. 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	-(C)	C	C	NN	-CC/CCC
Wavelength	Stage	Type	Split Ratio	Tap Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
2000-2000nm	S=Single Stage	S=S Type	01=1/99	Y= Same Fiber	M= Metal Box	2=PM1550Fiber	B= Bare Fiber	05=0.5m	N=Without Connector	
	D=Dual Stage	F=F Type	10=10/90	S=Corr. SM Fiber	Blank for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
	H=H Stage	B=B Type	30=30/70	A=105/125um Fiber		O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
			50=50/50			R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	