

1310~1590nm 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	1310, 1480, 1550, 1590	
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	0.9	1.0
Peak Isolation	Typ.	dB	40	55
Min. Isolation (23°C)		dB	28	45
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	-	PM1310/1550 Panda Fiber or 10/125um PMDC Fiber (O)	
			12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q)	
			25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		mW	300	
Operating Temperature		°C	0~70	
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
1310~1310nm	S=Single Stage	S=S Type	01=1/99	S=Corr. SM Fiber	M=Metal Box	2=PM1310/1550Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1480~1480nm	D=Dual Stage	F=F Type	10=10/90	A=105/125um Fiber	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550~1550nm		B=B Type	30=30/70	Blank for Same Fiber		T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1590~1590nm			50=50/50			G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector