

1120nm 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	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	≤2.9	≤4.6
Peak Isolation	Typ.	dB	25	40
Min. Isolation (23°C)		dB	≥18	≥35
PDL		dB	≤0.15	≤0.20
Tap Position	-	Tap Input Light before Isolator		
Optical Return Loss	dB	≥50		
Fiber Type	Tap Port	-	Same fiber or 105/125um MM Fiber	
	Thru Port	-	HI1060 Fiber or 10/125um SC Fiber (E)	
			10/125um DC Fiber (O) or 15/130um DC Fiber (W)	
			20/130um DC Fiber (Q) or 25/250um DC 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 0.5dB higher, RL is 5dB lower.

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)

FTIS-NNNN	- C	NN	C	- (C)	(C)	C	NN	-CC/CCC
Wavelength	Stage	Split Ratio	Tap Port Fiber	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1120-1120nm	S=Single Stage	01=1/99	Y= Same Fiber	M=Metal Box	E=10/125 SC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
	D=Dual Stage	10=10/90	A=105/125um Fiber	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		30=30/70			R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		50=50/50			Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector