1030nm 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	1030	
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	≤4.6	≤8.3
Peak Isolation	Typ.	dB	25	45
Min. Isolation (23°C)		dB	≥20	≥40
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	50	
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.

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*
1030=1030nm	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