

2000nm 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	H 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	1.8
Peak Isolation	Typ.	dB	20	40
Min. Isolation (23°C)		dB	16	35
PDL		dB	≤0.2	
Working Mode		-	Tap Input Light before Isolator	
Optical Return Loss		dB	≥50	
Fiber Type	Tap Port	-	Same fiber or 105/125um MM Fiber	
	Thru Port	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O) or 25/250um DC Fiber (R)	
Fiber Tensile Load		N	5	
Max. Average Optical Power		W	0.3, 0.5, 1, 2	3, 5, 10
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	Stainless Steel Tube (SST)	mm	(Ø)5.5x35 (≤5W); (Ø)6.0x48 (5~10W)	
Dimension	Metal Box	mm	(L)120x(W)12x(H)10 (≤10W)	

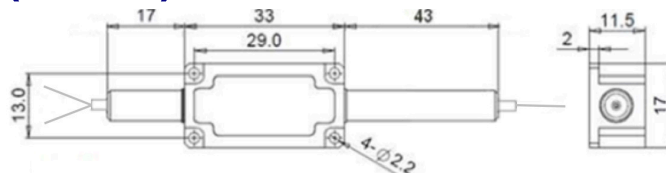
Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

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.

PACKAGE DIMENSION (H STAGE)



ORDERING INFORMATION (PN)

FTIS-NNNN	-C	NN	(C)	-H NN	P NN	-(C)	(C)	C	NN	-CC/CCC
Wavelength	Stage	Split Ratio	Tap Port Fiber	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
2000-2000nm	S=Single Stage	01=1/99	A=105/125um Fiber	03=300mW	01= 100W	M=Metal Box	V=SM1950 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
	D=Dual Stage	10=10/90	Blank for Same Fiber	1= 1W	1=1kW	Blank for SST	O=10/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	H=H Stage	30=30/70		5= 5W	5=5kW	or >2W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		50=50/50		20=20W	20=20kW		Blank for SMF28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

