

## 1900~1970nm 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

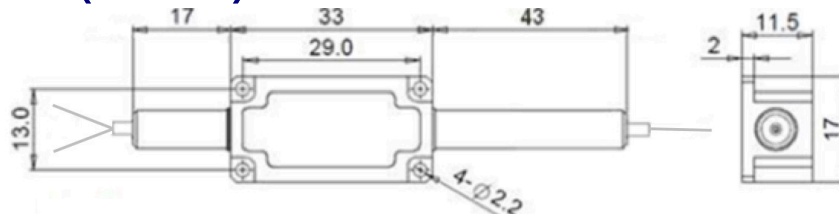


### SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage	H Stage
Working Wavelength	nm	1900±10, 1930±20, 1950±20, 1970±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	1.6	2.0	2.0
Min. Isolation (23°C)	dB	10	25	25
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
1900~1900nm	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
1930~1930nm	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
1950~1950nm	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
1970~1970nm		50=50/50		20=20W	20=20kW		Blank for SMF28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector