

2030~2070nm 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

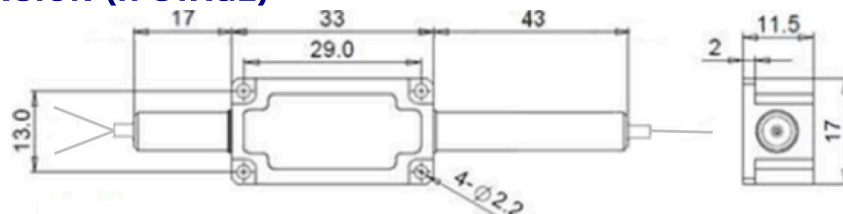


SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage	H Stage
Working Wavelength	nm	2030±20, 2050±20, 2070±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	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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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	
2030-2030nm	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	
2050-2050nm	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	
2070-2070nm	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	