

1020-1120nm High Power Tap Isolator Hybrid for Pulse Power

FEATURES

- Low Excess Loss
- High Stability and Reliability
- Epoxy Free Optical Path

APPLICATIONS

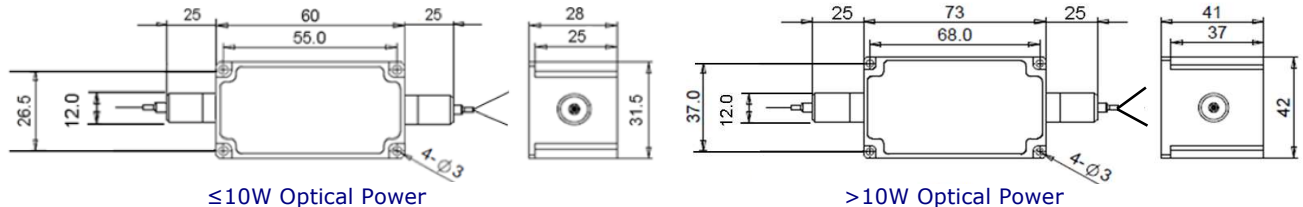
- Optical Amplifier
- Optical Networks
- Power Monitoring

SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength	nm	1030, 1040, 1053, 1064, 1070, 1080, 1092, 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	1.8
Min. Isolation (23°C)	dB	20
PDL	dB	≤0.2
Working Mode	-	Tap is before Isolator
Optical Return Loss	dB	≥45
Fiber Type	Tap Port	-
	Thru Port	-
		-
Fiber Tensile Load	N	5
Max. Average Optical Power	W	0.5, 1, 2, 3, 5, 10, 15, 20, 30
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

- 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. 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



ORDERING INFORMATION (PN)

FTIS-NNNN-	NN	(C)	-H	NN	P	NN	-(C)	C	NN	-CC/CCC
Wavelength	Split Ratio	Tap Port Fiber	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
1030-1030nm	01-1/99	A=105/125um Fiber	05-500mW	01-100W	E=10/125 SC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector		
1064-1064nm	10-10/90	Blank for Same Fiber	5-5W	1-1kW	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector		
1080-1080nm	30-30/70		10-10W	5-5kW	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
1120-1120nm	50-50/50		20-20W	10-10kW	Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		