

# 1080nm 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
Center Wavelength	nm	1080	
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	≤2.7
Peak Isolation	Typ.	dB	30
Min. Isolation (23°C)		dB	≥25
PDL		dB	≤0.15
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. Average Optical Power		mW	300
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
Dimension	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. 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.

## 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
1080-1080nm	S=Single Stage	01=1/99	Y= Same Fiber	03=300mW	01= 100W	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		1=1kW	Blank for SST	Q=20/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
		30=30/70			5=5kW	or >10W	R=25/250 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		50=50/50			10=10kW		Blank for HI1060 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector