

## 1310~1590nm High Power Tap Isolator Hybrid

### 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

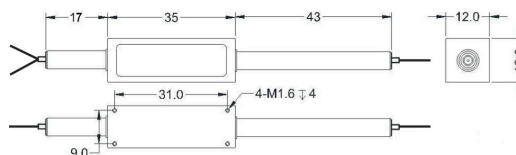


### SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage	H Stage
Center Wavelength	nm	1310, 1480, 1550, 1590		
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	0.9	1.0
Peak Isolation	Typ.	dB	40	55
Min. Isolation (23°C)		dB	28	45
PDL		dB	≤0.2	
Working Mode	-	Tap Input Light before Isolator		
Optical Return Loss	dB	≥50		
Fiber Type	Thru Port	-	SMF-28 Fiber or 10/130um DC Fiber (O)	
			12/130um DC Fiber (T) or 20/130um DC Fiber (Q)	
			25/250um DC Fiber (R) or 25/300um DC Fiber (G)	
	Tap Port	-	Same Fiber or 105/125um MM Fiber	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		W	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)	-HP NN	-(C)	(C)	C	NN	-CC/CCC
Wavelength	Stage	Split Ratio	Tap Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310~1310nm	S=Single Stage	01=1/99	A=105/125 Fiber	1= 1W	M=Metal Box	O=10/130 DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1480~1480nm	D=Dual Stage	10=10/90	Blank for Same Fiber	5=5W	Blank for SST	T=12/130 DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550~1550nm	H=H Stage	30=30/70		10= 10W	or >10W	G=25/300 DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1590~1590nm		50=50/50		20=20W		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector