

1020-1150nm High Power Tap Isolator Hybrid for Pulse Power

FEATURES

- ❑ Low Excess Loss
- ❑ Various Splitting Ratio
- ❑ Wide Passband
- ❑ High Stability and Reliability
- ❑ Epoxy Free Optical Path

APPLICATIONS

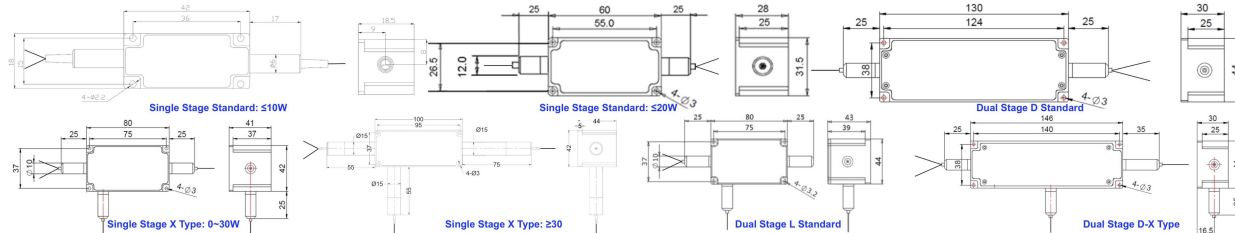
- ❑ Optical Amplifier
- ❑ Optical Networks
- ❑ Power Monitoring
- ❑ Fiber Sensor
- ❑ Lab

SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage D Type	Dual Stage L Type
Center Wavelength	nm	1020, 1030, 1040, 1053, 1064, 1070, 1080, 1092, 1103, 1120		
Bandwidth	nm	+/-10		
Split Ratio	-	1:99, 2:98, 5:95, 10:90, 20:80, 30:70, 40:60, 50:50		
Tap Ratio	-	1+/-0.6%, 2+/-0.8%, 5+/-1.0%, 10%, 20%, 30%, 40%, 50%		
Excess Loss	Max. dB	1.8 (Typ. 0.9)	2.0 (Typ. 1.1)	2.0 (Typ. 1.3)
Min. Isolation (23°C)	dB	22 (Typ. 25)	40 (Typ. 45)	
PDL	dB	≤0.2		
Working Mode	-	Tap Input Light before Isolator		
Optical Return Loss	dB	≥45		
Configuration	-	Standard: 3-Port; X Type: 4-Port, Backward Power Guide Out		
Fiber Type	Thru Port	-	HI1060 Fiber or 10/125um SC Fiber (E)	
	Tap/4 th Port	-	10/125um DC Fiber (O), 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	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		
Max. Backward Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10		
Operating Temperature	°C	0~50		
Storage Temperature	°C	-20~75		

- 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. Suggest to use X type for >20W Optical Power or continuous backward power of ≥500mW.
 5. 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.
 6. Package dimensions may be different for different fiber type, configuration and optical power.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

Wavelength	Stage	Split Ratio	Tap Port Fiber	4 Port Fiber	Average Power	Peak Power	Backward Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1030-1030nm	D-D Type	01-1/99	A=105/125um Fiber	Y= Same Fiber	05-500mW	01- 100W	05-500mW	E=10/125 SC Fiber	B= Bare Fiber	05-0.5m	N=Without Connector
1064-1064nm	L-L Type	10-10/90	Blank for Same Fiber	A=105/125um Fiber	5-5W	1-1kW	1-1W	Q=20/130 DC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1080-1080nm	Blank for Single	30-30/70	Blank for Standard		10-10W	5-5kW	10-10W	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 300mW	Blank for HI1060 Fiber	3= 3mm Cable	20-2.0m	SC/UP=SC/UPC

