

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

FEATURES

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

APPLICATIONS

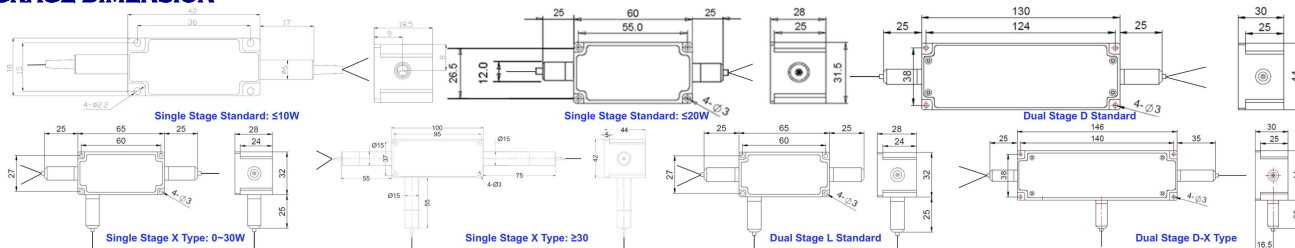
- Optical Amplifier
- Optical Networks
- Power Monitoring
- Fiber Sensor
- Lab

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, 1150		
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 (Typ. 0.9)	2.0 (Typ. 1.1)	2.0 (Typ. 1.3)
Min. Isolation (23°C)	dB	22 (Typ. 25)	40 (Typ. 45)	
Extinction Ratio	dB	≥18		
Working Mode	S Type	-	Tap Input Light before Isolator, Can only work in Slow Axis	
	F Type	-	Tap Input Light before Isolator, work in Slow & Fast Axis	
	B Type	-	Tap Input Light after Isolator, Can only work in slow axis	
Optical Return Loss	dB	≥45		
Configuration	-	Standard: 3-Port; X Type: 4-Port, Backward Power Guide Out		
Fiber Type	Thru Port	-	PM980 Fiber, PM1060L Fiber (E) or PM1060L-FA Fiber (L) 10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W) 20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
	Tap/4 th Port	-	Same fiber, Corr. SM Fiber or 105/125um MM Fiber	
Fiber Tensile Load	N	5		
Max. Average Optical Power	W	0.5, 1, 2, 3, 5, 10, 15, 20, 30, 50, 80, 100, 150, 200		
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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - Suggest to use X type for >20W Optical Power or continuous backward power of ≥500mW.
 - 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 dimensions may be different for different fiber type, configuration and optical power.

PACKAGE DIMENSION



ORDERING INFORMATION (PN)

Wavelength	Stage	Type	TapRatio	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	S=S Type	01=1%	S=Corr. SM Fiber	Y= Same Fiber	05=500mW	01= 100W	05=500mW	2=PM980 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1064-1064nm	L=L Type	F=F Type	10=10%	A=105/125um Fiber	S=Corr. SM Fiber	5=5W	1=1kW	1=1W	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1080-1080nm	Blank for Single	B=B Type	30=30%	Blank for Same Fiber	A=105/125um Fiber	10=10W	5=5kW	10=10W	Q=20/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1120-1120nm			50=50%	Blank for Standard	Blank for Standard	20=20W	10=10kW	Blank for 300mW	R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

