

2030~2070nm High Power PM 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

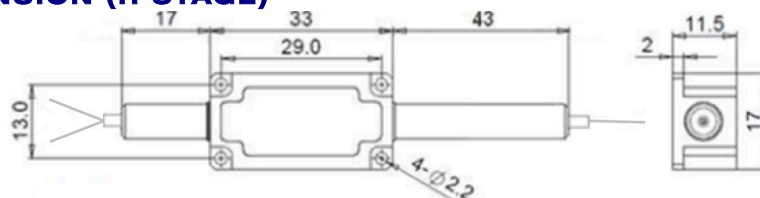


SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage	H Stage
Working Wavelength	nm	2030±20, 2050±20, 2070±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	1.6	2.0	2.0
Min. Isolation (23°C)	dB	10	25	25
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	≥50		
Fiber Type	Tap Port	-	Same fiber, Corr. SM Fiber or 105/125um MM Fiber	
	Thru Port	-	PM1550 Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
Fiber Tensile Load	N	5		
Max. Optical Power (CW)	W	1, 2		3, 5, 10
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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB 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.
 - 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)

Wavelength	Stage	Type	Split Ratio	Tap Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
2030-2030nm	S=Single Stage	S=S Type	01=1/99	Y= Same Fiber	1= 1W	M=Metal Box	2=PM1550Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
2050-2050nm	D=Dual Stage	F=F Type	10=10/90	S=Corr. SM Fiber	5= 5W	Blank for SST	V=PM1950 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
2070-2070nm	H=H Stage	B=B Type	30=30/70	A=105/125um Fiber	10=10W	or >2W	O=10/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
			50=50/50		20=20W		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector