

# 1310~1590nm 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

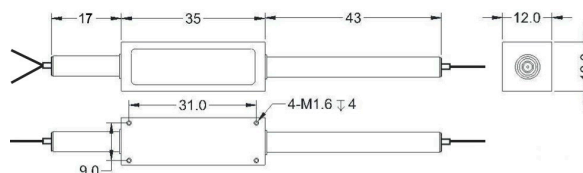


## SPECIFICATIONS

Parameter	Unit	Single Stage	Dual Stage	H Stage
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
Extinction Ratio		dB	≥18	
Working Mode	S Type	-	Tap is before Isolator, Can only work in Slow Axis	
	F Type	-	Tap is before Isolator, work both in Slow Axis and Fast Axis	
	B Type	-	Tap is 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	-	PM1310/1550 Panda Fiber or 10/125um PMDC Fiber (O)	
		-	12/130um PMDC Fiber (T), 20/130um PMDC Fiber (Q)	
			25/250um PMDC Fiber (R) or 25/300um PMDC Fiber (G)	
Fiber Tensile Load		N	5	
Max. Optical Power (CW)		W	0.3, 0.5, 1, 2, 3, 5, 10	15, 20
Operating Temperature		°C	0~70	
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)	
				See Drawing

- 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



## ORDERING INFORMATION (PN)

Wavelength	Stage	Type	Split Ratio	Tap Port Fiber	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	S=Single Stage	S=S Type	01=1/99	S=Corr. SM Fiber	1= 1W	M=Metal Box	2=PM1310/1550Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1480-1480nm	D=Dual Stage	F=F Type	10=10/90	A=105/125um Fiber	5=5W	Blank for SST	0=10/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1550-1550nm	H=H Stage	B=B Type	30=30/70	Blank for Same Fiber	10= 10W	or >10W	T=12/130 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
1590-1590nm			50=50/50		20=20W		G=25/300 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

