

## 915/1120nm WDM/Isolator/Tap PM Hybrid

### FEATURES

- Low Insertion Loss
- Epoxy-Free Optical Path
- High Reliability and Stability

### APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks

### SPECIFICATIONS

Parameters		Unit	Single Stage	Dual Stage
Signal Wavelength Range $\lambda_1$		nm	1120+/-10	
Pump Wavelength Range $\lambda_2$		nm	915+/-10	
Excess Loss@23°C	Signal Channel@ $\lambda_1$	dB	≤2.7	≤4.2
Insertion Loss@23°C	Pump Channel@ $\lambda_2$	dB	≤1.0	
Signal Tap Ratio		%	1+/-0.5%, 2+/-0.7%, 5+/-1.0%, 10%, 20%, 30%, 50%	
Signal Isolation (23°C, All SOP)		dB	≥20	≥40
Wavelength Isolation	Signal Channel@ $\lambda_2$	dB	≥25	
	Pump Channel@ $\lambda_1$	dB	≥12	
Optical Return Loss		dB	≥45	
Extinction Ratio		dB	≥18	
Pump Direction	S Type	-	Forward Pump, Only Slow Axis Working	
	F Type	-	Forward Pump, Both Axis Working	
	B Type	-	Backward Pump, Only Slow Axis Working	
Fiber Type	Common and Signal Port	-	PM850 Fiber, PM980 Fiber or PM1060L Fiber (E)	
		-	10/125um PMDC Fiber (O), 15/130um PMDC Fiber (W)	
		-	20/130um PMDC Fiber (Q) or 25/250um PMDC Fiber (R)	
	Pump Port (915nm)	-	Same Fiber, Corr. SM Fiber, PM850 Fiber, HI780 Fiber, PM980 Fiber (M) or HI1060 Fiber (X)	
	Tap Port	-	Same Fiber or Corr. SM Fiber	
Fiber Tensile Load		N	5	
Max. Signal Optical Power (CW)		mW	300	
Max. Pump Optical Power (CW)		W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Ø)5.5x40	
	Metal Box	mm	(L)120x(W)12x(H)10	

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. 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.

### ORDERING INFORMATION (PN)

Stage	Pump Type	Tap Ratio	Pump Fiber	Tap Port Fiber	Pump Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
S=Single	S=S Type	01=1%	P=PM850 Fiber	P=Same Fiber	05=500mW	M=Metal Box	2=PM850Fiber	B= Bare fiber	05=0.5m	N=Without Connector
D=Dual	F=F Type	05=5%	Y=Same Fiber	S=Corr. SM Fiber	1=W	Blank for SST	H=PM980 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	B=B Type	10=10%	S=Corr. SM Fiber		10=W		E=PM1060L Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
		50=50%	H=HI780 Fiber		Blank for 300mW		R=25/250 PMDC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

