1550/2000nm High Power WDM/Partial Mirror PM Hybrid

FEATURES

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

APPLICATIONS

- Broadband Systems
- Optical Amplifying Systems
- Telecommunication Networks
- Metro Networks
- CATV Networks

SPECIFICATIONS

Parameters		Unit	Standard Type	High ER Type
Signal Wavelength Range λ1		nm	1900±10, 1930±20, 1950±20, 1970±20, 2000±30, 2030±20, 2050±10, 2070±10	
Pump Wavelength Range λ2		nm	1530±20, 1550±20, 1570±20, 1590±20	
Excess Loss	Signal Channel@λ1	dB	≤1.5	≤1.7
Insertion Loss	Pump Channel@λ2	dB	≤0.8	
Signal Reflective Ratio (Common<->Pass)		%	1±0.6, 2±0.8, 5±1, 10, 20, 30, 40, 50, 60, 70, 80, 90	
Wavelength Isolation	Signal Channel@λ2	dB	≥25	
	Pump Channel@λ1	dB	≥12	
Optical Return Loss		dB	≥45	
Extinction Ratio		dB	≥18	≥20
Pump Type	Forward	-	Pump&Signal at same direction	
	Backward	-	Pump&Signal at reverse direction	
Fiber Type	Common&Signal Port	-	PM1550 Panda Fiber or PM1950 Fiber (V)	
			10/130um PMDC Fiber (O) or 25/250um PMDC Fiber (R)	
	Pump Port	-	Same Fiber or Corr. SM Fiber	
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		W	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 (≤5W); (Ø)6.0x48 (5~8W)	
	Metal Box	mm	(L)90x(W)18x(H)10 (>8W); (L)120x(W)12x(H)10 (≤8W)	

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. 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.

5. High ER type can only work in slow axis at pass port.

ORDERING INFORMATION (PN)

FPHP-NN NN - (C) NN (C) (C) -HP NN -(C) C C NN -CC/CCC

Refl. WL	Pass WL	Pump Type	Refl. Ratio	Pump Fiber	Type	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
15=1550nm	19=1950nm	F=Forward	01=1%	Y=Same Fiber	H=High ER	1=1W	M=Metal Box	2=PM1550 Fiber	B=Bare fiber	05=0.5m	N=Without Connector
53=1530nm	90=1900nm	*Blank* for Backward	05=5%	S=Corr. SM Fiber	*Blank* for Standard	5=5W	*Blank* for SST	V=PM1950 Fiber	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector
57=1570nm	20=2000nm		10=10%			10=10W	or >8W	O=10/130 PMDC Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
59=1590nm	25=2050nm		50=50%			20=20W		R=25/250 PMDC Fiber	3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector