

980/1064~1150nm High Power Fused PM WDM Coupler

FEATURES

- Low Excess Loss
- Variety Coupling Ratio
- Epoxy-Free Optical Path
- High Reliability and Stability
- Low Profile Packaging

APPLICATIONS

- LAN WAN Systems
- Signal Monitoring
- Network Monitoring
- CATV
- Test Equipments



SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength 1	nm	976, 980	
Center Wavelength 2	nm	1064, 1070, 1080, 1092, 1120, 1150	
Bandwidth	nm	+/-5	
Insertion Loss	dB	≤0.9	
Isolation	dB	≥15	
Extinction Ratio	dB	≥18	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	PM980 Panda Fiber or PM1060L Fiber (E) 10/125um PMDC Fiber (O) NA=0.075	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 80, 100, 150, 200	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	
Dimension	Metal Box		$\phi 3.0 \times L60$ for Bare Fiber $\phi 3.0 \times L76$ for 900um Loose Tube $L120 \times W12 \times H10$ for 2mm/3mm Cable

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

2. To add connectors, IL is 0.5dB 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. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FPCD-NN	NN	- N	(C)	(C)	-HPNN	-(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ1)	Optical Power	Package	Fiber (Com&λ2)	Fiber Sleeve	Fiber Length	Connector Type
98- 980nm	06-1064nm	1- 1x2 Type	M= Mux	S= Corr. SM Fiber	1- 1W	M= Metal Box	E=PM1060L Fiber	B= Bare Fiber	05-0.5m	N=Without Connector
97- 976nm	08-1080nm	2- 2x2 Type	D= Demux	P= PM980 Fiber	5-5W	Blank for SST	O=10/125um PMDC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
12-1120nm	98- 980nm		Blank for Both	H=H11060 Fiber	10-10W		Blank for PM980 Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
08-1080nm	09- 1092nm			Blank for Same Fiber	30- 30W			3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector