

760-850/2000nm 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	
Wavelength Range Channel 1	nm	760±10, 780±10, 793±10, 808±10, 830±10, 850±10	
Wavelength Range Channel 2	nm	1900±10, 1950±20, 2000±20, 2050±10	
Insertion Loss	dB	≤1.0	≤1.5
Isolation	dB	≥13	
Extinction Ratio (Channel 2)	dB	≥18	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	PM980 Fiber (M) or PM1550 Panda Fiber	PM850 Fiber(H) or PM780-HP Fiber(7) PM1950 Fiber (V) 10/130um PMDC Fiber (O) NA=0.15
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	Φ3.0x ^L 60 for Bare Fiber
	Metal Box		Φ3.0x ^L 76 for 900um Loose Tube
			^L 120x ^W 12x ^H 10 for 2mm/3mm Cable

- 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.
 - 760~850nm transmits as low order modes in signal fiber.
 - 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 size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FPCD-	NN	-	N	(C)	(C)	-HPNN	-	(C)	(C)	C	NN	-CC/CCC
Center Wavelength1	Center Wavelength2	Configuration	Mode	Fiber(A,1)	Optical Power	Package	Fiber (Com&2,2)	Fiber Sleeve	Fiber Length	Connector Type		
78-780nm	90-1900nm	1- 1x2 Type	M- Mux	S- Corr. SM Fiber	1- 1W	M-Metal Box	V- PM1950 Fiber	B-Bare Fiber	05-0.5m	N-Without Connector		
79-793nm	19-1950nm	2- 2x2 Type	D- Demux	7-PM780-HP Fiber	10-10W	Blank for SST	M- PM980 Fiber	L-Loose Tube	10-1.0m	FC/APC=FC/APC Connector		
20-2000nm	83-830nm		Blank for Both	P-PM1550 Fiber	20-20W		O- 10/130PMD Fiber	2-2mm Cable	15-1.5m	LC/PC=LC/PC Connector		
25-2050nm	85-850nm			Blank for Same Fiber	30-30W		Blank for PM1550 Fiber	3-3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector		