

760-850/2000nm 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)	mW	300	
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:**
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. 760~850nm transmits as low order modes in signal fiber.
 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)	- (C)	(C)	C	NN	- CC/CCC
Center Wavelength1	Center Wavelength2	Mode	Fiber(λ1)	Configuration	Package	Fiber (Com&λ2)	Fiber Sleeve	Fiber Length	Connector Type	
78-780nm	90-1900nm	M- Mux	S- Corr. SM Fiber	1- 1x2 Type	M- Metal Box	V- PM1950 Fiber	B- Bare Fiber	05-0.5m	N- Without Connector	
79-793nm	19-1950nm	D- Demux	7- PM780-HP Fiber	2- 2x2 Type	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			O- 10/130PMD C Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
25-2050nm	85-850nm		Blank for Same Fiber			Blank for PM1550 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	