

915~950/1310~1590nm 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
- Research Labs
- Test Equipments



SPECIFICATIONS

Parameter	Unit	Value
Wavelength Range Channel 1 (λ_1)	nm	915±10, 930±10, 940±10, 950±10
Wavelength Range Channel 2 (λ_2)	nm	1310±10, 1550±10, 1590±10, 1625±10
Insertion Loss	dB	≤0.8
Isolation	dB	≥15
Extinction Ratio	dB	≥18
Optical Return Loss	dB	≥40
Directivity	dB	≥50
Fiber Type	-	PM850 Fiber (2) or PM780-HP Fiber (7) PM980 Fiber (H) or 6/125um PMDC Fiber NA=0.18(M1) PM1550 Fiber or 8/125um PMDC Fiber NA=0.12(M)
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 80, 100, 150, 200
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST) Metal Box	mm
		Φ 3.0x ^L 60 for Bare Fiber Φ 3.0x ^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 0.7dB 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. 915-950nm transmits as low order modes in signal fiber.
 5. 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.
 6. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FPCD- NN	NN	- N	(C)	(C)- HP NN	- (C)	(C)	C	NN	- CC/CCC	
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ1)	Optical Power	Package	Fiber (Com&λ2)	Fiber Sleeve	Fiber Length	Connector Type
91~915nm	15~1550nm	1- 1x2 Type	M- Mux	S- Corr. SM Fiber	1- 1W	M-Metal Box	2- PM980 Fiber	B- Bare Fiber	05-0.5m	N-Without Connector
93~930nm	13~1310nm	2- 2x2 Type	D- Demux	7- PM780HP Fiber	5-5W	Blank for SST	H- PM980 Fiber	L- Loose Tube	10-1.0m	FC/APC-FC/APC Connector
59~1590nm	95~950nm		Blank for Both	I-HI780 Fiber	10-10W		M- 8/125 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC-LC/PC Connector
62~1625nm	94~940nm			Blank for Same Fiber	30-30W		Blank for PM1310/1550 Fiber	3- 3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector