

915~990/1310~1590nm 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	nm	915±10, 930±10, 950±10, 980±10
Wavelength Range Channel 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	-	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 Average Power	W	0.3, 0.5, 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	mm	Φ3.0x ^L 60 for Bare Fiber
Stainless Steel Tube (SST)		Φ3.0x ^L 76 for 900um Loose Tube
Metal Box		^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. 915-990nm transmits as low order modes in PM1550 Fiber or PM-LMA Fiber.
 4. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 5. Devices for higher optical power or with other type fiber or consigned fiber are also available.
 6. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FPCD- NN	NN	- N	- HP NN	- (C)	(C)	C	NN	- CC/CCC
Wavelength1	Wavelength2	Configuration	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
91=915nm	15=1550nm	1= 1x2 Type	1= 1W	M= Metal Box	H= PM980 Fiber	B= Bare Fiber	05=0.5m	N= Without Connector
93=930nm	13=1310nm	2= 2x2 Type	5= 5W	Blank for SST	M= 8/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
95= 950nm	59=1590nm		10=10W		M1= 6/125 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
98=980nm	62=1625nm		30= 30W		Blank for PM1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector