

## 915-950/1310~1650nm 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 ( $\lambda_1$ )	nm	915±10, 930±10, 940±10, 950±10
Wavelength Range Channel 2 ( $\lambda_2$ )	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)	mW	300
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST) Metal Box	mm
		$\Phi$ 3.0x <sup>L</sup> 60 for Bare Fiber $\Phi$ 3.0x <sup>L</sup> 76 for 900um Loose Tube <sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 10 for 2mm/3mm Cable

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
  - To add connectors, IL is 0.7dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
  - 900-950nm 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- <b>NN</b>	<b>NN</b>	- <b>N</b>	<b>(C)</b>	<b>(C)</b>	- <b>(C)</b>	<b>(C)</b>	<b>C</b>	<b>NN</b>	- <b>CC/CCC</b>
Wavelength1	Wavelength2	Configuration	Mode	Fiber( $\lambda_1$ )	Package	Fiber (Com& $\lambda_2$ )	Fiber Sleeve	Fiber Length	Connector Type
91-915nm	15-1550nm	1- 1x2 Type	M- Mux	S- Corr. SM Fiber	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	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		M- 8/125 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
62-1625nm	94-940nm			Blank for Same Fiber		Blank for PM1310/1550 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector