

915~950/1310~1650nm Fused PM WDM Coupler for Pulse Power

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) PM1310/1550 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	
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50	
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 0.7dB 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. 900-950nm 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)	-H NN	PNN	-(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ_1)	Average Power	Peak Power	Package	Fiber (Com& λ_2)	Fiber Sleeve	Fiber Length	Connector Type
91-915nm	15-1550nm	1- 1x2 Type	M= Mux	S= Corr. SM Fiber	03= 300mW	01= 100W	M= Metal Box	2= PM850 Fiber	B= Bare Fiber	05= 0.5m	N= Without Connector
93-930nm	13-1310nm	2= 2x2 Type	D= Demux	7= PM780HP Fiber	5= 5W	5= 5kW	Blank for SST	H= PM980 Fiber	L= Loose Tube	10= 1.0m	FC/APC=FC/APC Connector
59-1590nm	59-1590nm		Blank for Both	I= HI780 Fiber	10= 10W	10= 10kW		M= 8/125 PMDC Fiber	2= 2mm Cable	15= 1.5m	LC/PC=LC/PC Connector
62-1625nm	62-1625nm			Blank for Same Fiber	30= 30W	20= 20kW		Blank for PM1310/1550 Fiber	3= 3mm Cable	20= 2.0m	SC/UPC=SC/UPC Connector