

## 960~1000/1310~1650nm 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 ( $\lambda_1$ )	nm	975±10, 980±10, 990±10, 1000±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	-	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	
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	∅3.0xL60 for Bare Fiber
	Metal Box		∅3.0xL76 for 900um Loose Tube
			L120xW12xH10 for 2mm/3mm Cable

- Note:**
1. Specifications are for device without connectors; Specifications may change without notice.
  2. To add connectors, IL is 0.5dB 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. 965-1000nm 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	P NN	-	(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber( $\lambda_1$ )	Average Power	Peak Power	Package	Fiber (Com $\lambda_2$ )	Fiber Sleeve	Fiber Length	Connector Type			
97-975nm	15-1550nm	1- 1x2 Type	M= Mux	S= Corr. SM Fiber	03= 300mW	01= 100W	M= Metal Box	H= PM980 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector			
98-980nm	13-1310nm	2- 2x2 Type	D= Demux	H= PM980 Fiber	5=5W	5=5kW	Blank for SST	M= 8/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector			
59-1590nm	99- 990nm		Blank for Both	I=HI1060 Fiber	10=10W	10=10kW		M1= 6/125 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector			
62-1625nm	10=1000nm			Blank for Same Fiber	30= 30W	20= 20kW		Blank for PM1310/1550 Fiber	3= 3mm Cable	20=2.0m	SC/UFC=SC/UFC Connector			