

1310-1650/2000nm 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
- CATV
- Test Equipments



SPECIFICATIONS

Parameter	Unit	Value
Wavelength Range Channel 1	nm	1310±20, 1550±20, 1590±20, 1625±10
Wavelength Range Channel 2	nm	1900±10, 1930±20, 1950±20, 2000±20, 2030±20, 2050±20 2070±10, 2090±10
Insertion Loss	dB	≤1.0
Isolation	dB	≥13
Extinction Ratio (Channel 2)	dB	≥18
Optical Return Loss	dB	≥40
Directivity	dB	≥50
Fiber Type	Common&2um Port	PM1550 Panda Fiber or PM1950 Fiber (V) 10/130um PMDC Fiber (O)
	1.5um Port	Same Fiber, Corresponding SM Fiber SMF-28 Fiber or PM1550 Fiber
Fiber Tensile Load	N	5
Maximum Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 60, 80, 100
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST) Metal Box	mm
		Φ3.0x ^L 60 for Bare Fiber
		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 0.3dB 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. 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.

5. 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
Center Wavelength1	Center Wavelength2	Configuration	Mode	Fiber (λ,1)	Average Power	Peak Power	Package	Fiber (Com&λ2)	Fiber Sleeve	Fiber Length	Connector Type			
15=1550nm	90=1900nm	1= 1x2 Type	M= Mux	P= PM1550 Fiber	03= 300mW	01= 100W	M= Metal Box	V= PM1950 Fiber	B= Bare Fiber	05=0.5m	N= Without Connector			
13=1310nm	19=1950nm	2= 2x2 Type	D= Demux	S= Corr. SM Fiber	5=5W	5=5kW	Blank for SST	O=10/130 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector			
20=2000nm	20=2000nm		Blank for Both	8= SMF-28 Fiber	10=10W	10=10kW		Blank for PM1550 Fiber	2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector			
25=2050nm	25=2050nm			Blank for Same Fiber	30= 30W	20= 20kW			3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector			