

1310-1650/2000nm Fused 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	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	Common&2um Port	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber, NA=0.15 (O)	
	1.5um Port	Same Fiber or SMF-28 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)	mm	Φ3.0xL60 for Bare Fiber
			Φ3.0xL76 for 900um Loose Tube
	Metal Box	L120xW12xH10 for 2mm/3mm Cable	

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.3dB higher, RL is 5dB lower.

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)

FCLD-NN	NN	-	N	(C)	(C)	-H	NN	P	NN	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength1	Center Wavelength2	Configuration	Mode	Fiber(2,1)	Average Power	Peak Power	Package	Fiber (Com&L2)	Fiber Sleeve	Fiber Length	Connector Type			
15-1550nm	90-1900nm	1- 1x2 Type	M= Mux	S= SMF-28 Fiber	03- 300mW	01- 100W	M= Metal Box	V= SM1950 Fiber	B= Bare Fiber	05- 0.5m	N= Without Connector			
13-1310nm	19-1950nm	2- 2x2 Type	D= Demux	V= SM1950 Fiber	5- 5W	5- 5kW	Blank for SST	O= 10/130um DC Fiber	L= Loose Tube	10- 1.0m	FC/APC=FC/APC Connector			
20-2000nm	59-1590nm		Blank for Both	Blank for Same Fiber	10- 10W	10- 10kW		Blank for SMF-28 Fiber	2- 2mm Cable	15- 1.5m	LC/PC=LC/PC Connector			
25-2050nm	62-1625nm				30- 30W	20- 20kW			3- 3mm Cable	20- 2.0m	SC/UFC=SC/UFC Connector			