

915~950/1310~1590nm High Power Fused 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 (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	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	HI780 Fiber (H), 780-HP Fiber (7) or HI1060 Flex Fiber (F) SMF-28 Fiber or 8/125um DC Fiber NA=0.12 (M) HI1060 Fiber (I) or 6/125um DC Fiber NA=0.18 (M1)	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 80, 100, 150, 200	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	
Dimension	Metal Box		
			ϕ 3.0x ^L 60 for Bare Fiber ϕ 3.0x ^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.

3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

4. 900-950nm transmits as low order modes in SMF-28 Fiber or LMA 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)

FCLD-NN	NN	- N	(C)	(C) -HP NN	- (C)	(C)	C	NN	- CC/CCC	
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ_1)	Optical Power	Package	Fiber (Com&L2)	Fiber Sleeve	Fiber Length	Connector Type
91-915nm	15-1550nm	1- 1x2 Type	M= Mux	S-SMF-28 Fiber	1- 1W	M-Metal Box	H-HI780 Fiber	B- Bare Fiber	05-0.5m	N-Without Connector
93-930nm	13-1310nm	2- 2x2 Type	D= Demux	H-HI780 Fiber	5- 5W	Blank for SST	M= 8/125 PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
59-1590nm	95-950nm		Blank for Both	7-780-HP Fiber	10-10W		F= HI1060 Flex Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
62-1625nm	94-940nm			Blank for Same Fiber	30- 30W		Blank for SMF-28 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector