

960~1000/1310~1650nm 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	975±10, 980±10, 990±10, 1000±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	-	HI1060 Fiber (H) or HI1060 Flex Fiber (F) SMF-28 Fiber or 8/125um DC Fiber NA=0.12 (M) 6/125um DC Fiber NA=0.18 (M1)	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	Φ3.0xL60 for Bare Fiber
	Metal Box		Φ3.0xL76 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.

3. 965-1000nm transmits as low order modes in signal fiber.

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)	-(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ_1)	Package	Fiber (Com& λ_2)	Fiber Sleeve	Fiber Length	Connector Type	
97-975nm	15-1550nm	1- 1x2 Type	M- Mux	S-SMF-28 Fiber	M-Metal Box	H-HI1060 Fiber	B- Bare Fiber	05=0.5m	N=Without Connector	
98-980nm	13-1310nm	2- 2x2 Type	D- Demux	H-HI1060 Fiber	Blank for SST	M- 8/125 PMDC Fiber	L- Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
59-1590nm	599- 990nm		Blank for Both	Blank for Same Fiber		F- HI1060 Flex Fiber	2- 2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
62-1625nm	10=1000nm					Blank for SMF-28 Fiber	3- 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	