

915-990/1310~1650nm 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	nm	915±10, 930±10, 950±10, 980±10
Wavelength Range Channel 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 Average Power	W	0.3, 0.5, 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 Dimension	Stainless Steel Tube (SST)	Φ3.0x ^L 60 for Bare Fiber
	Metal Box	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 0.5dB higher, RL is 5dB lower.
 3. 915-990nm transmits as low order modes in SMF-28 Fiber or LMA Fiber.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available.
 5. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FCLD-	NN	NN	-	N	-(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
91=915nm	15=1550nm	1= 1x2 Type	M=Metal Box	H=HI1060 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector		
93=930nm	13=1310nm	2= 2x2 Type	Blank for SST	M= 8/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector		
95= 950nm	59=1590nm			M1= 6/125 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
98=980nm	62=1625nm			Blank for SMF28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		