

980-1150/2000nm 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
- CATV
- Test Equipment



SPECIFICATIONS

Parameter	Unit	Value
Wavelength Range Channel 1	nm	980±10, 1020±10, 1030±10, 1040±10, 1053±10, 1064±10, 1070±10, 1080±10, 1092±10, 1120±10, 1150±10
Wavelength Range Channel 2	nm	1900±10, 1950±20, 2000±20, 2050±10
Insertion Loss	dB	≤1.0
Isolation	dB	≥13
Optical Return Loss	dB	≥40
Directivity	dB	≥50
Fiber Type	-	SMF-28 Fiber
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)	(Φ)3.0x60 for Bare Fiber
		(Φ)3.0x76 for 900um Loose Tube
	Metal Box	(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.
 3. 980~1150nm transmits as low order modes at SMF-28 Fiber.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FCLD-	NN	NN	-	N	-	(C)	C	NN	-CC/CCC
Center Wavelength1	Center Wavelength2	Configuration	Package	Fiber Sleeve	Fiber Length	Connector Type			
98= 980nm	90=1900nm	1= 1x2 Type	M=Metal Box	B=Bare Fiber	05=0.5m	N=Without Connector			
03=1030nm	19=1950nm	2= 2x2 Type	Blank for SST	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector			
06=1064nm	20=2000nm			2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector			
12=1120nm	25=2050nm			3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector			