

980-1150/2000nm 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
- 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)	W	1, 2, 3, 5, 10, 15, 20, 25, 30
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	mm	(Φ)3.0x60 for Bare Fiber
Stainless Steel Tube (SST)		(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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. 980~1150nm transmits as low order modes at SMF-28 Fiber.
 5. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FCLD-NN	NN	-	N	-HP NN	-(C)	C	NN	-CC/CCC
Center Wavelength1	Center Wavelength2	Configuration	Optical Power	Package	Fiber Sleeve	Fiber Length	Connector Type	
98-980nm	90-1900nm	1-1x2 Type	1-1W	M=Metal Box	B=Bare Fiber	05=0.5m	N=Without Connector	
03-1030nm	19-1950nm	2-2x2 Type	10-10W	Blank for SST	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector	
06-1064nm	20-2000nm		20-20W		2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector	
12-1120nm	25-2050nm		30-30W		3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector	