

## 980/1030nm 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 Equipments



### SPECIFICATIONS

Parameter	Unit	Value	
Center Wavelength 1	nm	976, 980	
Center Wavelength 2	nm	1030, 1036	
Bandwidth	nm	+/-5	
Insertion Loss	dB	≤0.8	
Isolation	dB	≥13	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	HI1060 Fiber or HI1060 Flex Fiber (F) 10/125um SC Fiber (E) or 10/125um DC Fiber (O) NA=0.075	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 80, 100, 150, 200	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	
Dimension	Metal Box		
			Φ3.0x <sup>L</sup> 60 for Bare Fiber
			Φ3.0x <sup>L</sup> 76 for 900um Loose Tube
			<sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.

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)	-HPNN	-(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber(2,1)	Optical Power	Package	Fiber (Com&A.2)	Fiber Sleeve	Fiber Length	Connector Type	
98-980nm	03-1030nm	1- 1x2 Type	M- Mux	I- HI1060 Fiber	1- 1W	M- Metal Box	F- HI1060 Flex Fiber	B- Bare Fiber	05-0.5m	N- Without Connector	
97-976nm	36-1036nm	2- 2x2 Type	D- Demux	F- HI1060 Flex Fiber	5-5W	Blank for SST	E- 10/125um SC Fiber	L- Loose Tube	10-1.0m	FC/APC-FC/APC Connector	
03-1030nm	98-980nm		Blank for Both	Blank for Same Fiber	10-10W		O- 10/125um DC Fiber	2- 2mm Cable	15-1.5m	LC/PC-LC/PC Connector	
36-1036nm	97-976nm				30-30W		Blank for HI1060 Fiber	3- 3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector	