

980/1030~1056nm Fused WDM Coupler for Pulse Power

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, 1040, 1050, 1053, 1056	
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	
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 80, 100, 150, 200	
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
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. 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)	-	H	NN	PNN	-(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ1)	Average Power	Peak Power	Package	Fiber (Com&λ2)	Fiber Sleeve	Fiber Length	Connector Type			
98-980nm	03-1030nm	1- 1x2 Type	M- Mux	I-HI1060 Fiber	03- 300mW	01- 100W	M-Metal Box	F- HI1060 Flex Fiber	B- Bare Fiber	05-0.5m	N-Without Connector			
97-976nm	1036-1036nm	2- 2x2 Type	D- Demux	F- HI1060 Flex Fiber	5-5W	5-5kW	Blank for SST	E- 10/125um SC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector			
03-1030nm	1056- 1056nm		Blank for Both	Blank for Same Fiber	10-10W	10-10kW		O- 10/125um DC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector			
05-1050nm	97-976nm				30- 30W	20- 20kW		Blank for HI1060 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector			