

760-850/1020~1150nm 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	760±5, 780±5, 793±5, 808±5, 830±5, 850±5	
Center Wavelength 2	nm	1020±10, 1030±10, 1040±10, 1053±10, 1064±10, 1070±10, 1080±10, 1092±10, 1120±10, 1150±10	
Insertion Loss	dB	≤1.0	
Isolation	dB	≥15	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	HI780 Fiber or 780-HP Fiber (7) HI1060 Fiber (H) or HI1060 Flex Fiber (F) 10/125um SC Fiber (E) or 10/130um 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	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅3.0x ^L 60 for Bare Fiber
	Metal Box		∅3.0x ^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 0.7dB higher, RL is 5dB lower.
 3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. 750~850nm may transmit as low order modes in signal fiber.
 5. 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.
 6. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FCLD- NN	NN	- N	(C)	(C) - HP NN	- (C)	(C)	C	NN - CC/CCC		
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ1)	Optical Power	Package	Fiber (Com&λ2)	Fiber Sleeve	Fiber Length	Connector Type
78=780nm	03=1030nm	1= 1x2 Type	M= Mux	I= HI780 Fiber	1= 1W	M=Metal Box	7= 780-HP Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
79=793nm	06=1064nm	2= 2x2 Type	D= Demux	7= 780-HP Fiber	5= 5W	Blank for SST	H= HI1060 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
08=1080nm	83=830nm		Blank for Both	H=HI1060 Fiber	10=10W		O= 10/130um DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
12=1120nm	85=850nm			Blank for Some Fiber	30= 30W		Blank for HI780 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector