

## 760-850/1020~1150nm 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	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 Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30
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) Metal Box	mm
		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 0.7dB 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)	-H NN	P NN	- (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	
78-780nm	03-1030nm	1- 1x2 Type	M- Mux	I- HI780 Fiber	03- 300mW	01- 100W	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	5-5kW	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	10-10kW		O- 10/130um DC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
12-1120nm	85-850nm			Blank for Same Fiber	30- 30W	20- 20kW		Blank for HI780 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	