760-850/900~990nm 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, 780, 793, 808, 830, 850
Center Wavelength 2		nm	915, 930, 950, 980
Bandwidth		nm	+/-5
Insertion Loss		dB	≤1.0
Isolation		dB	≥13
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)	mm	Φ3.0xL60 for Bare Fiber
			Φ3.0xL76 for 900um Loose Tube
	Metal Box		L120xW12xH10 for 2mm/3mm Cable

Note: 1. Specifications are for device without connectors; Specifications may change without notice.

2. To add connectors, IL is 0.7dB 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	91=915nm	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	93=930nm	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
95=950nm	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
98=980nm	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