1020~1150/1310~1650nm 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
- Research Labs
- Test Equipments

Specifications

Parameter		Unit	Value
Wavelength Range 1 (λ1)		nm	1020±10, 1030±10, 1040±10, 1053±10, 1064±10, 1070±10, 1080±10, 1092±10, 1120±10, 1150±10
Wavelength Range 2 (λ2)		nm	1310±10, 1550±10, 1590±10, 1625±10
Insertion Loss		dB	≤0.8
Isolation		dB	≥13
Optical Return Loss		dB	≥40
Directivity		dB	≥50
Fiber Type		-	HI1060 Fiber (H) or HI1060 Flex Fiber (F) SMF-28 Fiber or 8/125um DC Fiber NA=0.12 (M) 6/125um DC Fiber NA=0.18 (M1)
Fiber Tensile Load		N	5
Maximum Average Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 80, 100, 150, 200
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	$^{\Phi}$3.0x^{L}60 for Bare Fiber
			$^{\Phi}$3.0x^{L}76 for 900um Loose Tube
	Metal Box		^{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 0.5dB higher, RL is 5dB lower.
3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
4. 1020-1150nm transmits 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 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
03=1030nm	15=1550nm	1= 1x2 Type	M= Mux	S=SMF-28 Fiber	03= 300mW	01= 100W	M=Metal Box	H=HI1060 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
06=1064nm	13=1310nm	2= 2x2 Type	D= Demux	H=HI1060 Fiber	5=5W	5=5kW	*Blank* for SST	M= 8/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
59=1590nm	09= 1092nm		*Blank* for Both	*Blank* for Same Fiber	10=10W	10=10kW		F= HI1060 Flex Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
62=1625nm	12=1120nm				30= 30W	20= 20kW		*Blank* for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector