406-690/1310~1650nm 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
- CATV
- Test Equipments

Specifications

Parameter		Unit	Value
Wavelength Range Channel 1 (λ1)		nm	406±5, 460±5, 488±5, 520±10, 532±10, 635±10, 650±10, 660±10, 690±10
Wavelength Range Channel 2 (λ2)		nm	1310±20, 1550±20, 1590±20, 1625±10
Insertion Loss @λ2		dB	≤1.0
Insertion Loss @λ1		dB	≤1.5
Isolation		dB	≥10
Optical Return Loss		dB	≥40
Directivity		dB	≥50
Fiber Type	Common&1.5um Port	-	HI1060 Flex Fiber or SMF-28 Fiber
	0.5um Port	-	Same Fiber or 460HP Fiber/630-HP Fiber
Fiber Tensile Load		N	5
Max. Average Optical Power (λ2)		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30
Max. Average Optical Power (λ1)		mW	30, 100, 300, 500, 1000, 2000
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	ΦD3.0xL60 for Bare Fiber
			ΦD3.0xL76 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 0.9dB higher, RL is 5dB lower.
3. Only guarantee 30mW continuous wave (CW) power thru testing for connectors added.
4. 406-690nm 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.
6. Package size may be different for different optical power and fiber type.

Ordering Information (PN)

FCLD-NNN NN - N (C) (C) -H NN P NN - (NN) - (C) (C) C NN -CC/CCC

Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ1)	Average Power	Peak Power	Average Power(0.5um)	Package	Fiber (Com&λ2)	Fiber Sleeve	Fiber Length	Connector Type
406= 406nm	15=1550nm	1= 1x2 Type	M= Mux	F= HI1060Flex Fiber	03= 300mW	01= 100W	01= 100nW	M=Metal Box	F= HI1060Flex Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
532=532nm	13=1310nm	2= 2x2 Type	D= Memux	H= 460HP/630HP Fiber	5=5W	5=5kW	05= 500mW	Blank for SST	Blank for SMF-28 Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
59=1590nm	635=635nm		Blank for Both	S=SMF-28 Fiber	10=10W	10=10kW	1=1W			2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
62=1625nm	660=660nm			Blank for Same Fiber	30= 30W	20= 20kW	Blank for 30mW			3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector