

406-690/1310~1590nm 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 Equipment



SPECIFICATIONS

Parameter	Unit	Value	
Wavelength Range Channel 1 (λ_1)	nm	406 \pm 5, 460 \pm 5, 488 \pm 5, 520 \pm 10, 532 \pm 10, 635 \pm 10, 650 \pm 10, 660 \pm 10, 690 \pm 10	
Wavelength Range Channel 2 (λ_2)	nm	1310 \pm 20, 1550 \pm 20, 1590 \pm 20, 1625 \pm 10	
Insertion Loss @ λ_2	dB	\leq 1.0	
Insertion Loss @ λ_1	dB	\leq 1.5	
Isolation	dB	\geq 10	
Optical Return Loss	dB	\geq 40	
Directivity	dB	\geq 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. Optical Power (CW, λ_2)	W	1, 2, 3, 5, 10, 15, 20, 25, 30	
Max. Optical Power (CW, λ_1)	mW	30, 100, 300, 500, 1000, 2000	
Operating Temperature	$^{\circ}$ C	0~50	
Storage Temperature	$^{\circ}$ C	-40~85	
Package Dimension	Stainless Steel Tube (SST) Metal Box	mm	ϕ 3.0x ^L 60 for Bare Fiber
			ϕ 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 0.9dB 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)	-HPNN	-	(NN)	-	(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ_1)	Optical Power	Optical Power(0.5um)	Package	Fiber (Com& λ_2)	Fiber Sleeve	Fiber Length	Connector Type			
406-406nm	15-1550nm	1- 1x2 Type	M= Mux	F= HI1060Flex Fiber	1- 1W	01- 100mW	M= Metal Box	F= HI1060Flex Fiber	B= Bare Fiber	05=0.5m	N=Without Connector			
532-532nm	13-1310nm	2- 2x2 Type	D= Demux	H= 460HP/630HP Fiber	5- 5W	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	1-1W			2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector			
62-1625nm	660-660nm			Blank for Same Fiber	30- 30W	Blank for 30mW			3= 3mm Cable	20=2.0m	SC/UFC=SC/UFC Connector			