

405-690/1020~1150nm 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 Equipment



SPECIFICATIONS

Parameter	Unit	Value
Wavelength Range Channel 1 (λ_1)	nm	406 \pm 10, 460 \pm 10, 488 \pm 10, 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	1020 \pm 10, 1030 \pm 10, 1040 \pm 10, 1053 \pm 10, 1064 \pm 10, 1070 \pm 10, 1080 \pm 10, 1092 \pm 10, 1100 \pm 10, 1120 \pm 10, 1150 \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&1um Port	HI1060 Fiber or HI1060 Flex Fiber (F) 10/125um SC Fiber (E) or 10/125um DC Fiber (O)
	0.5um Port	Same Fiber or 460HP Fiber/630-HP Fiber
Fiber Tensile Load	N	5
Max. Average Optical Power (λ_2)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30
Max. Average Optical Power (λ_1)	mW	30, 100, 300, 500, 1000, 2000
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	$^{\circ}$ C	0~50
Storage Temperature	$^{\circ}$ C	-40~85
Package Dimension	Stainless Steel Tube (SST)	Φ 3.0xL60 for Bare Fiber
	Metal Box	Φ 3.0xL76 for 900um Loose Tube 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. 450-690nm 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; 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)

Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ_1)	Average Power	Peak Power	Average Power(0.5um)	Package	Fiber (Com&A2)	Fiber Sleeve	Fiber Length	Connector Type
460-460nm	02-1020nm	1-1x2 Type	M- Mux	F- HI1060Flex Fiber	03- 300mW	01- 100W	01- 100mW	M-Metal Box	F- HI1060 Flex	B- Bare Fiber	05-0.5m	N-Without Connector
532-532nm	03-1030nm	2-2x2 Type	D- Demux	H- 460HP/630HP Fiber	5-5W	5-5kW	05- 500mW	Blank for SST	E- 10/125 SC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
06-1064nm	635-635nm	Blank for Both		S-HI1060 Fiber	10-10W	10-10kW	1-1W		O-10/125um DC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
12-1120nm	660-660nm	Blank for Same Fiber			30- 30W	20- 20kW	Blank for 30mW		Blank for HI1060 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector