

450-690/1020~1150nm High Power PM 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 Equipments



SPECIFICATIONS

Parameter	Unit	Value
Wavelength Range Channel 1 (λ_1)	nm	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
Extinction Ratio (λ_2)	dB	\geq 18
Optical Return Loss	dB	\geq 40
Directivity	dB	\geq 50
Fiber Type		Common&1um Port - PM980 Panda Fiber or PM1060L Fiber (E) 10/125um PMDC Fiber (O)
	0.5um Port	Same Fiber, or PM460-HP Fiber/PM630-HP Fiber (P) Corr. SM Fiber (S) or 460-HP Fiber/630-HP Fiber (H)
Fiber Tensile Load	N	5
Max. Average Optical Power (λ_2)	W	1, 2, 3, 5, 10, 15, 20, 25, 30
Max. Average Optical Power (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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.9dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - Only guarantee 30mW continuous wave (CW) power thru testing for connectors added.
 - 450-690nm transmits as low order modes in Signal Fiber.
 - 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.
 - Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ_1)	Optical Power	Optical Power(0.5um)	Package	Fiber (Com&L2)	Fiber Sleeve	Fiber Length	Connector Type
460-460nm	02=1020nm	1- 1x2 Type	M= Mux	S= Corr. SM Fiber	1- 1W	01= 100mW	M= Metal Box	E=PM1060L Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
532=532nm	03=1030nm	2- 2x2 Type	D= Demux	P= PM460/PM630 Fiber	5- 5W	05- 500mW	Blank for SST	O=10/125um PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
06=1064nm	635=635nm		Blank for Both	H=460HP/630HP Fiber	10=10W	1=1W		Blank for PM980 Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
12=1120nm	660=660nm			Blank for Same Fiber	30= 30W	Blank for 30mW			3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector