

450~690/1020~1150nm Fused PM 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)	mW	300	
Max. Average Optical Power (λ_1)	mW	30	
Operating Temperature	$^{\circ}$ C	0~50	
Storage Temperature	$^{\circ}$ C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	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, ER is 2dB Lower, Connector key is aligned to slow axis.
 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)

FPCD-NNN	NN	-	N	(C)	(C)	-	(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ_1)	Package	Fiber (Com&A2)	Fiber Sleeve	Fiber Length	Connector Type		
460-460nm	02-1020nm	1- 1x2 Type	M= Mux	S= Corr. SM Fiber	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	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		Blank for PM980 Fiber	2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector		
12-1120nm	660-660nm			Blank for Same Fiber			3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector		

