

## 406-690/1310~1650nm 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 ( $\lambda_1$ )	nm	406±5, 460±5, 488±5, 520±10, 532±10, 635±10, 650±10, 660±10, 690±10	
Wavelength Range Channel 2 ( $\lambda_2$ )	nm	1310±20, 1550±20, 1590±20, 1625±10	
Insertion Loss @ $\lambda_2$	dB	≤1.0	
Insertion Loss @ $\lambda_1$	dB	≤1.5	
Isolation	dB	≥10	
Extinction Ratio ( $\lambda_2$ )	dB	≥18	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	Common&1.5um Port	-	
	0.5um Port	-	
Fiber Tensile Load	N	5	
Max. Optical Power (CW, $\lambda_2$ )	mW	300	
Max. Optical Power (CW, $\lambda_1$ )	mW	30	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	
			Φ3.0xL60 for Bare Fiber
			Φ3.0xL76 for 900um Loose Tube
	Metal Box		L120x <sup>W</sup> 12x <sup>H</sup> 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, 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. 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)

FPCD-NNN	NN	-N	(C)	(C)	-(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber( $\lambda_1$ )	Package	Fiber (Com& $\lambda_2$ )	Fiber Sleeve	Fiber Length	Connector Type
406-406nm	15-1550nm	1- 1x2 Type	M- Mux	S- Corr. SM Fiber	M-Metal Box	H- PM980 Fiber	B- Bare Fiber	05-0.5m	N-Without Connector
532-532nm	13-1310nm	2- 2x2 Type	D- Demux	P- PM460/PM630 Fiber	Blank for SST	Blank for	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
59-1590nm	635-635nm		Blank for Both	H-460HP/630HP Fiber		PM1310/1550 Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
62-1625nm	660-660nm			Blank for Same Fiber			3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector