

406-690/1310~1590nm High Power 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	406±5, 460±5, 488±5, 520±10, 532±10, 635±10, 650±10, 660±10, 690±10	
Wavelength Range Channel 2 (λ_2)	nm	1310±20, 1550±20, 1590±20, 1625±10	
Insertion Loss @ λ_2	dB	≤1.0	
Insertion Loss @ λ_1	dB	≤1.5	
Isolation (for Demux)	dB	≥10	
Extinction Ratio (λ_2)	dB	≥18	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	Common&1.5um Port	PM980 Fiber or PM1310/1550 Fiber	
	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. Optical Power (CW, λ_2)	W	1, 2, 3, 5, 10, 15, 20, 25, 30	
Max. Optical Power (CW, λ_1)	mW	30, 300, 500, 1000, 2000	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	∅3.0x ^L 60 for Bare Fiber
	Metal Box	mm	∅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, 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)

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	S= Corr. SM Fiber	1- 1W	01- 100nW	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	5- 5W	05- 500mW	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	10-10W	1-1W		PM1310/1550 Fiber	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/UPC=SC/UPC Connector