1020-1120/1310~1590nm 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 (λ1)		nm	1020±10, 1030±10, 1040±10, 1053±10, 1064±10, 1070±10, 1080±5, 1092±5, 1100±5, 1120±5, 1150±5
Wavelength Range Channel 2 (λ2)		nm	1310±5, 1550±10, 1590±10, 1625±10, 1650±10
Insertion Loss		dB	≤0.8
Isolation		dB	≥15
Extinction Ratio		dB	≥18
Optical Return Loss		dB	≥40
Directivity		dB	≥50
Fiber Type		-	PM980 Fiber (H) or 10/125um PMDC Fiber NA=0.08(O) PM1310/1550 Fiber or 8/125um PMDC Fiber NA=0.12(M)
Fiber Tensile Load		N	5
Maximum Optical Power (CW)		W	1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 80, 100, 150, 200
Operating Temperature		°C	0~50
Storage Temperature		°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	mm	$^{\Phi}$3.0x^{L}60 for Bare Fiber
			$^{\Phi}$3.0x^{L}76 for 900um Loose Tube
	Metal Box		^{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 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
4. 1020-1150nm 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- NN NN - N (C) (C) - HPNN -(C) (C) C NN -CC/CCC

Wavelength1	Wavelength2	Configuration	Mode	Fiber[λ1]	Optical Power	Package	Fiber [Com&λ2]	Fiber Sleeve	Fiber Length	Connector Type
03=1030nm	15=1550nm	1= 1x2 Type	M= Mux	S= Corr. SM Fiber	1= 1W	M=Metal Box	H= PM980 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
06=1064nm	13=1310nm	2= 2x2 Type	D= Demux	H= PM980 Fiber	5= 5W	Blank for SST	M= 8/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
59=1590nm	09= 1092nm		Blank for Both	I=HI1060 Fiber	10=10W		O= 10/125 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
62=1625nm	12=1120nm			Blank for Same Fiber	30= 30W		Blank for PM1310/1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector