1020~1120/1310~1650nm Fused PM WDM Coupler for Pulse Power

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**
- Research Labs
- Test Equipments



SPECIFICATIONS

Parameter		Unit	Value			
		nm	1020±10, 1030±10, 1040±10,			
Wavelength Rai	nge 1 (λ1)		1053±10, 1064±10, 1070±10,			
			1080±5, 1092±5, 1100±5, 1120±5, 1150±5			
Wavelength Range 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 I	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 Average Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 50, 80, 100, 150, 200			
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50			
Operating Temperature		°C	0~50			
Storage Temperature		°C	-40~85			
Package Dimension	Ctainless Ctasl Tube (CCT)	mm	^⁰ 3.0x [∟] 60 for Bare Fiber			
	Stainless Steel Tube (SST)		[⊕] 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)	-H NN	P NN	- (C)	(C)	C	NN	-CC/CCC
Wavelength 1	Wavelength2	Configuration	Mode	Fiber(2.1)	Average Power	Peak Power	Package	Fiber (Com&1.2)	Fiber Sleeve	Fiber Length	Connector Type
<mark>03=</mark> 1030nm	<mark>15=</mark> 1550nm	1= 1x2 Type	M- Mux	S= Corr. SM Fiber	<mark>03=</mark> 300mW	<mark>01</mark> - 100W	M=Metal Box	H= PM980 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
<mark>06=</mark> 1064nm	<mark>13</mark> =1310nm	2= 2x2 Type	D= Demux	H= PM980 Fiber	5= 5W	5=5kW	<i>Blank</i> for SST	M= 8/125 PMDC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
<mark>59=</mark> 1590nm	<mark>09=</mark> 1092nm		<i>Blank</i> for Both	I=HI1060 Fiber	10-10W	10=10kW		0= 10/125 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
62=1625nm	12=1120nm			<i>Blank</i> for Same Fibe	er 30= 30W	20= 20kW		Blank for PM1310/1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector





