915~990/1310~1650nm 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
Wavelength Range Channel 1		nm	915±10, 930±10, 950±10, 980±10
Wavelength Range Channel 2		nm	1310±10, 1550±10, 1590±10, 1625±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 6/125um PMDC Fiber NA=0.18(M1) PM1550 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, 40, 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	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 0.3dB 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. 915-990nm transmits as low order modes in PM1550 Fiber or PM-LMA 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-NN NN - N -H NN P NN - (C) (C) C NN -CC/CCC

Wavelength1	*Wavelength2*	*Configuration*	*Average Power*	*Peak Power*	*Package*	*Fiber Type*	*Fiber Sleeve*	*Fiber Length*	*Connector Type*
91=915nm	15=1550nm	1= 1x2 Type	03= 300mW	01= 100W	M=Metal Box	H= PM980 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
93=930nm	13=1310nm	2= 2x2 Type	5=5W	5=5kW	*Blank* for SST	M= 8/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
95= 950nm	59=1590nm		10=10W	10=10kW		M1= 6/125 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
98=980nm	62=1625nm		30= 30W	20= 20kW		*Blank* for PM1550 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector