790/2000nm 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	nm	790+/-10
Wavelength Range Channel 2	nm	1900+/-10, 1950+/-20, 2000+/-20, 2050+/-10
Insertion Loss	dB	≤1.0
Isolation	dB	≥13
Extinction Ratio (2000nm)	dB	≥18
Optical Return Loss	dB	≥40
Directivity	dB	≥50
Fiber Type	-	PM1550 Panda Fiber
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	300
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	mm	(Φ)3.0x60 for 250um Bare Fiber (Φ)3.0x76 for 900um Loose Tube

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. 790nm transmits as low order modes in PM1550 Panda Fiber.

4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FPCD - NNNN - N - C NN - CC/CCC

Center Wavelength	Configuration	Fiber Sleeve	Fiber Length	Connector Type
7920= 790/2000nm	1= 1x2 Type	B= Bare Fiber	05=0.5m	N=Without Connector
7919= 790/1950nm	2= 2x2 Type	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
7990= 790/1900nm		2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
7925= 790/2050nm		3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector