

960~1000/1310~1650nm 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
- Research Labs
- Test Equipments



SPECIFICATIONS

Parameter	Unit	Value	
Wavelength Range Channel 1 (λ_1)	nm	975±10, 980±10, 990±10, 1000±10	
Wavelength Range Channel 2 (λ_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 Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	
Dimension	Metal Box		
			Φ3.0xL60 for Bare Fiber
			Φ3.0xL76 for 900um Loose Tube
			L120xW12xH10 for 2mm/3mm Cable

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.5dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 - 965-1000nm transmits as low order modes in signal fiber.
 - 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.
 - Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FPCD- NN	NN	- N	(C)	(C)	-(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ_1)	Package	Fiber (Com&L2)	Fiber Sleeve	Fiber Length	Connector Type
97-975nm	15-1550nm	1- 1x2 Type	M- Mux	S- Corr. SM Fiber	M-Metal Box	H- PM980 Fiber	B- Bare Fiber	05-0.5m	N-Without Connector
98-980nm	13-1310nm	2- 2x2 Type	D- Demux	H- PM980 Fiber	Blank for SST	M- 8/125 PMDC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
59-1590nm	99- 990nm		Blank for Both	I-H11060 Fiber		M1- 6/125 PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
62-1625nm	10-1000nm			Blank for Same Fiber		Blank for PM1310/1550 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector