

760-850/1020~1150nm 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	
Center Wavelength 1	nm	760±2, 780±2, 793±2, 808±2, 830±2, 850±2	
Center Wavelength 2	nm	1020±2, 1030±2, 1040±2, 1053±2, 1064±2, 1070±2, 1080±2, 1092±2, 1120±2, 1150±2	
Insertion Loss	dB	≤1.0	
Isolation	dB	≥13	
Extinction Ratio	dB	≥18	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	PM780-HP Fiber(7), PM850 Fiber, PM980 Fiber (H) PM1060L Fiber (E) or 10/125um PMDC Fiber (O) NA=0.075	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST) Metal Box	mm	∅3.0x ^L 60 for Bare Fiber
			∅3.0x ^L 76 for 900um Loose Tube
			^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 0.7dB 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. 750~850nm may transmit 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)	-HP NN	-(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Mode	Fiber(λ1)	Optical Power	Package	Fiber (Com&λ2)	Fiber Sleeve	Fiber Length	Connector Type	
78-780nm	03-1030nm	1- 1x2 Type	M= Mux	S= Corr. SM Fiber	1- 1W	M= Metal Box	7- PM780-HP Fiber	B= Bare Fiber	05-0.5m	N= Without Connector	
79-793nm	06-1064nm	2- 2x2 Type	D= Demux	7- PM780-HP Fiber	5- 5W	Blank for SST	H= PM980 Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
08-1080nm	83-830nm		Blank for Both	I= HI780 Fiber	10-10W		O= 10/130um PMDC Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
12-1120nm	85-850nm			Blank for Same Fiber	30-30W		Blank for PM850 Fiber	3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	