

635~690/740~850nm High Power PM Fused 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 Equipment



SPECIFICATIONS

Parameter	Unit	Value	
Wavelength Range Channel 1	nm	635±5, 650±5, 660±5, 690±5	
Wavelength Range Channel 2	nm	740±5, 760±5, 780±5, 793±5 808+/-5, 830+/-5, 850+/-5	
Insertion Loss	Channel 1	dB	≤3.0
	Channel 2	dB	≤1.0
Isolation	dB	≥10	
Extinction Ratio (Channel 2)	dB	≥16	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	PM630-HP Fiber	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Φ)3.0x60 for Bare Fiber
			(Φ)3.0x76 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 0.9dB 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. 635~690nm will transmit as low order modes in PM850 Fiber.
 5. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FPCD-NNN	NNN	- N	-HP NN	-(C)	C	NN	-CC/CCC
Center Wavelength1	Center Wavelength2	Configuration	Optical Power	Package	Fiber Sleeve	Fiber Length	Connector Type
635-635nm	740-740nm	1- 1x2 Type	1- 1W	M=Metal Box	B=Bare Fiber	05=0.5m	N=Without Connector
650-650nm	808-808nm	2- 2x2 Type	5-5W	Blank for SST	L=Loose Tube	10=1.0m	FC/APC=FC/APC Connector
660-660nm	830-830nm		10-10W		2=2mm Cable	15=1.5m	LC/PC=LC/PC Connector
690-690nm	850-850nm		20-20W		3=3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector