

## 635~690/740~850nm 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
- 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 Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST) Metal Box	mm	(Φ)3.0x60 for Bare Fiber
			(Φ)3.0x76 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 0.9dB 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	-H	NN	P	NN	-(C)	C	NN	-CC/CCC
Center Wavelength1	Center Wavelength2	Configuration	Average Power	Peak Power	Package	Fiber Sleeve	Fiber Length	Connector Type		
635-635nm	740-740nm	1- 1x2 Type	03- 300mW	01- 100W	M-Metal Box	B-Bare Fiber	05-0.5m	N-Without Connector		
650-650nm	808-808nm	2- 2x2 Type	5-5W	5-5kW	Blank for SST	L-Loose Tube	10-1.0m	FC/APC=FC/APC Connector		
660-660nm	830-830nm		10-10W	10-10kW		2-2mm Cable	15-1.5m	LC/PC=LC/PC Connector		
690-690nm	850-850nm		20- 20W	20- 20kW		3-3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector		