

## 635~690/740~850nm Fused 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	532±5, 561±5 585±5	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	dB	≤1.0	
Isolation	dB	≥10	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	460-HP Fiber	630-HP Fiber
Fiber Tensile Load	N	5	
Maximum Average Power	W	0.1, 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	Stainless Steel Tube (SST)	(Φ)3.0x60 for Bare Fiber	
Dimension	Metal Box	(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.
  3. Only guarantee 10mW continuous wave (CW) power thru testing for connectors added.
  4. Devices for higher optical power or with other type fiber or consigned fiber are also available.
  5. Package size may be different for different optical power and fiber type.

### ORDERING INFORMATION (PN)

FCLD-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			
532-532nm	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			