

635~690/740~850nm High Power 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	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 Optical Power (CW)	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	mm	(Φ)3.0x60 for Bare Fiber	
Stainless Steel Tube (SST)		(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.
 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	-HP NN	- (C)	C	NN	- CC/CCC
Center Wavelength1	Center Wavelength2	Configuration	Optical Power	Package	Fiber Sleeve	Fiber Length	Connector Type
532=532nm	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