

460-690/1020~1120nm 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 Equipments



SPECIFICATIONS

Parameter	Unit	Value
Wavelength Range Channel 1	nm	460±10, 488±10, 532±10, 635±10, 650±10, 660±10, 690±10
Wavelength Range Channel 2	nm	1020±10, 1030±10, 1040±10, 1053±10, 1064±10, 1070±10, 1080±10, 1092±10, 1120±10
Insertion Loss	dB	≤1.0
Isolation	dB	≥15
Optical Return Loss	dB	≥40
Directivity	dB	≥50
Fiber Type	-	HI1060 Fiber or HI1060 Flex Fiber 10/125um SC Fiber
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	300
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 0.5dB higher, RL is 5dB lower.
 3. 450-690nm transmits as low order modes in Signal Fiber.
 4. Devices for higher optical power or with other type fiber or consigned fiber are also available.

ORDERING INFORMATION (PN)

FCLD-NNN	NN	-	N	-(C)	(C)	C	NN	-CC/CCC
Wavelength1	Wavelength2	Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
460-460nm	02-1020nm	1- 1x2 Type	M= Metal Box	F= HI1060 Flex	B= Bare Fiber	05-0.5m	N= Without Connector	
532-532nm	03-1030nm	2- 2x2 Type	Blank for SST	E= 10/125 SC Fiber	L= Loose Tube	10-1.0m	FC/APC= FC/APC Connector	
635-635nm	06-1064nm			Blank for HI1060 Fiber	2= 2mm Cable	15-1.5m	LC/PC= LC/PC Connector	
660-660nm	12-1120nm				3= 3mm Cable	20-2.0m	SC/UPC= SC/UPC Connector	