

500~690/740~850nm 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 1 | nm | 532±5, 561±5 585±5 | 635±5, 650±5, 660±5, 690±5 |
| Wavelength Range 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) | mW | 100 | |
| 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.
 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 | - (C) | C | NN | - CC/CCC |
|---------------------|---------------------|----------------------|----------------|---------------------|---------------------|--------------------------|
| <i>Wavelength 1</i> | <i>Wavelength 2</i> | <i>Configuration</i> | <i>Package</i> | <i>Fiber Sleeve</i> | <i>Fiber Length</i> | <i>Connector Type</i> |
| 532-532nm | 740-740nm | 1- 1x2 Type | M= Metal Box | B= Bare fiber | 05-0.5m | N= Without Connector |
| 650-650nm | 808-808nm | 2- 2x2 Type | Blank for SST | L= Loose Tube | 10-1.0m | FC/APC= FC/APC Connector |
| 660-660nm | 830-830nm | | | 2- 2mm Cable | 15-1.5m | LC/PC= LC/PC Connector |
| 690-690nm | 850-850nm | | | 3- 3mm Cable | 20-2.0m | SC/UPC= SC/UPC Connector |