

406-690/1310~1650nm 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	406±5, 488±5, 532±10, 635±10, 650±10, 660±10, 690±10
Wavelength Range Channel 2	nm	1310±20, 1550±20, 1590±20, 1625±10
Insertion Loss	dB	≤1.0
Isolation	dB	≥15
Optical Return Loss	dB	≥40
Directivity	dB	≥50
Fiber Type	-	SMF-28 Fiber
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	300
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	(Φ)3.0x60 for Bare Fiber
	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 0.3dB higher, RL is 5dB lower.
 3. 406-690nm transmits as low order modes in SMF-28 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	NN	-CC/CCC
	Wavelength1	Wavelength2		Configuration	Package	Fiber Sleeve	Fiber Length	Connector Type
	406= 406nm	15=1550nm		1= 1x2 Type	M= Metal Box	B= Bare Fiber	05=0.5m	N= Without Connector
	532=532nm	13=1310nm		2= 2x2 Type	Blank for SST	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	635=635nm	59=1590nm				2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	660=660nm	62=1625nm				3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector