

## 1310~1590/1700nm 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	1310±10, 1550±10, 1590±10	
Wavelength Range 2	nm	1700±10, 1730±10, 1750±10, 1770±10	
Insertion Loss	dB	≤1.0	
Isolation	dB	≥13	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	SMF-28 Fiber or 8/125um DC Fiber NA=0.12(M) 10/130um PMDC Fiber, NA=0.15 (O)	
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)	mm	Φ3.0x <sup>L</sup> 60 for Bare Fiber
	Metal Box		Φ3.0x <sup>L</sup> 76 for 900um Loose Tube
			120x <sup>W</sup> 12x <sup>H</sup> 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. Devices for higher optical power or with other type fiber or consigned fiber are also available; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.

4. Package size may be different for different optical power and fiber type.

### ORDERING INFORMATION (PN)

FCLD- NN	NN	-	N	(C)	(C)	-(C)	(C)	C	NN	-	CC/CCC
Wavelength 1	Wavelength 2	Configuration	Mode	Fiber(λ1)	Package	Fiber (Com&λ2)	Fiber Sleeve	Fiber Length	Connector Type		
13= 1310nm	17=1750nm	1= 1x2 Type	M= Mux	S= SMF-28 Fiber	M=Metal Box	M= 8/125 PMDC Fiber	B= Bare fiber	05=0.5m	N=Without Connector		
15=1550nm	70=1700nm	2= 2x2 Type	D= Demux	Blank for Same Fiber	Blank for SST	O= 10/130um DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector		
17=1750nm	59=1590nm		Blank for Both			Blank for SMF-28 Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
70=1700nm							3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		