Fused 1310/1480/1550nm 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	
Center Wavelength		nm	1310/1550	1480/1550
Passband Width		nm	+/-20	+/-5
Insertion Loss		dB	≤0.6	≤0.8
Isolation		dB	≥16	≥10
PDL		dB	≤0.20	
Optical Return Loss		dB	≥40	
Directivity		dB	≥50	
Fiber Type		-	SMF-28 Fiber or 8/125um DC Fiber NA=0.12 (M) 6/125um DC Fiber NA=0.18 (M1) or 10/130um DC Fiber NA=0.15 (O)	
Fiber Tensile Load		N	5	
Maximum Optical Power (CW)		mW	300	
Operating Temperature		°C	0~70	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	$^{\Phi}$3.0x^{L}54	
	Plastic Box		^{L}90x^{W}20x^{H}10	
	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 0.3dB 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

Wavelength1	Wavelength2	Configuration	Mode	Fiber(3.1)	Package	Fiber (Com8.2.2)	Fiber Sleeve	Fiber Length	Connector Type
13= 1310nm	15=1550nm	1= 1x2 Type	M= Mux	S= SMF-28 Fiber	B=Plastic Box	M= 8/125DC Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
14= 1480nm	13= 1310nm	2= 2x2 Type	D= Demux	Blank for Same Fiber	M=Metal Box	O= 10/130um DC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
15=1550nm	14= 1480nm		Blank for Both		Blank for SST	Blank for SMF-28 Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
							3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector