980~1150nm Fused Coupler/Splitter

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	975, 980, 990, 1000 1020, 1030, 1040, 1053, 1064 1070, 1080, 1092, 1103, 1120, 1150
Bandwidth		nm	+/-10
Excess Loss		dB	≤0.90
Split Ratio		%	0.01:99.99, 0.1:99.9, 1:99, 2:98, 5:95 10:90, 20:80, 30:70, 40:60, 50:50
Uniformity (50:50 Ratio)		dB	≤0.8
Directivity		dB	≥45
Fiber Type		-	HI1060 Fiber or HI1060 Flex Fiber (F) 10/125um SC Fiber (E) or 10/125um DC Fiber (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	ΦL 3.0x60 for Bare Fiber
			ΦL 3.0x76 for 900um Loose Tube
	Metal Box		L W H 120x12x10 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. 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)

FCLS- NNNN - NN N C - C C NN - CC/CCC

Center Wavelength	Coupling Ratio.	Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1064=1064nm	001= 0.1% Ratio	1= 1x2 Type	S=SST Tube	H= HI1060 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
1053=1053nm	05= 5% Ratio	2= 2x2 Type	M=Metal Box	F= HI1060 Flex Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
1030=1030nm	10= 10% Ratio			E= 10/125SC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
980=980nm	50= 50% Ratio			O= 10/125DC Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector