460-690nm 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	460, 488, 520, 532	635, 650, 660, 690
Bandwidth		nm	+/-5	
Couping Ratio		%	0.1:99.9, 1:99, 2:98, 5:95, 10:90 20:80, 30:70, 40:60, 50:50	
Typical Excess Loss		dB	1.0	0.9
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	$^{\Phi}$3.0x60 for Bare Fiber	
			$^{\Phi}$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 30mW 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.

Ordering Information (PN)

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

Center Wavelength	Coupling Ratio	Configuration	Package	Fiber Sleeve	Fiber Length	Connector Type
488= 488nm	01= 1% Ratio	1= 1x2 Type	S=SST Tube	B= Bare fiber	05=0.5m	N=Without Connector
532= 532nm	05= 5% Ratio	2= 2x2 Type	M=Metal Box	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
635=635nm	10= 10% Ratio			2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
650=650nm	50= 50% Ratio			3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector