460-690nm Fused Coupler/Splitter for Pulse Power

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 Average Power		W	0.1, 0.3, 0.5, 1, 2, 3, 5, 10	
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20	
Operating Temperature		°C	0~50	
Storage Temperature		°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	ΦOD3.0x60 for Bare Fiber	
			ΦOD3.0x76 for 900um Loose Tube	
	Metal Box		L120xW12xH10 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.
5. Package size may be different for different optical power and fiber type.

Ordering Information (PN)

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

Center Wavelength	Coupling Ratio	Configuration	Package	Average Power	Peak Power	Fiber Sleeve	Fiber Length	Connector Type
488= 488nm	01= 1% Ratio	1= 1x2 Type	S=SST Tube	05=500mW	01= 100W	B= Bare fiber	05=0.5m	N=Without Connector
532= 532nm	05= 5% Ratio	2= 2x2 Type	M=Metal Box	1= 1W	1= 1kW	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
635=635nm	10= 10% Ratio			5= 5W	5= 5kW	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
650=650nm	50= 50% Ratio			10=10W	10=10kW	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector