

460-690nm High Power 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	
Coupling 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)	W	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	Φ3.0x60 for Bare Fiber
			Φ3.0x76 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.

ORDERING INFORMATION (PN)

FCLS - NNN	-	NN	N	C	-HP NN	-	C	NN	-	CC/CCC
Center Wavelength		Coupling Ratio	Configuration	Package	Optical Power		Fiber Sleeve	Fiber Length		Connector Type
488~488nm		01~ 1% Ratio	1~ 1x2 Type	S~SST Tube	05~500mW		B~ Bare fiber	05~0.5m		N~Without Connector
532~532nm		05~ 5% Ratio	2~ 2x2 Type	M~Metal Box	1~ 1W		L~ Loose Tube	10~1.0m		FC/APC~FC/APC Connector
635~635nm		10~ 10% Ratio			5~ 5W		2~ 2mm Cable	15~1.5m		LC/PC~LC/PC Connector
650~650nm		50~ 50% Ratio			10~10W		3~ 3mm Cable	20~2.0m		SC/UPC~SC/UPC Connector