

## 2000nm 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	1900, 1950, 2000, 2050							
Bandwidth	nm	+/-20							
Excess Loss	dB	≤0.90							
Split Ratio	%	0.1:99.9	1:99	2:98	5:95	10:90	40:60	50:50	
		0.1%	1±0.5%	2±0.6%	5±1.0%	10%	40%	50%	
Uniformity (50:50 Ratio)	dB	≤0.8							
Directivity	dB	≥45							
Fiber Type	-	SMF-28 Fiber or SM1950 Fiber (V) 10/130um DC Fiber (O)							
Fiber Tensile Load	N	5							
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 80, 100							
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) Metal Box	mm	(Φ)3.0x60 for Bare Fiber						
			(Φ)3.0x76 for 900um Loose Tube						
			(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. Only guarantee 1W 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
  5. Package size may be different for different optical power and fiber type.

### ORDERING INFORMATION (PN)

FCLS-NNNN	-	NN	N	-H	NN	P	NN	- (C)	(C)	C	NN	-CC/CCC
Center Wavelength	Coupling Ratio	Configuration	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type			
1900-1900nm	001- 0.1% Ratio	1- 1x2 Type	03-300mW	01-100W	M-Metal Box	V-SM1950 Fiber	B- Bare fiber	05-0.5m	N-Without Connector			
1950-1950nm	05- 5% Ratio	2- 2x2 Type	1- 1W	1- 1kW	Blank for SST	O-10/130 DC Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector			
2000-2000nm	10-10% Ratio		5- 5W	5- 5kW		Blank for SMF-28 Fiber	2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector			
2050-2050nm	50- 50% Ratio		10-10W	10-10kW			3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector			