

2000nm 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	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. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 80, 100							
Operating Temperature	°C	0~50							
Storage Temperature	°C	-40~85							
Package Dimension	Stainless Steel Tube (SST)	mm	(Φ)3.0x60 for Bare Fiber						
			(Φ)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 0.3dB 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	-HP NN	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength		Coupling Ratio.	Configuration	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1900-1900nm		001= 0.1% Ratio	1= 1x2 Type	1= 1W	M= Metal Box	V= SM1950 Fiber	B= Bare fiber	05= 0.5m	N= Without Connector
1950-1950nm		05= 5% Ratio	2= 2x2 Type	5= 5W	Blank for SST	O= 10/130 DC Fiber	L= Loose Tube	10= 1.0m	FC/APC= FC/APC Connector
2000-2000nm		10= 10% Ratio		10= 10W		Blank for SMF-28 Fiber	2= 2mm Cable	15= 1.5m	LC/PC= LC/PC Connector
2050-2050nm		50= 50% Ratio		30= 30W			3= 3mm Cable	20= 2.0m	SC/UPC= SC/UPC Connector