

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	1850, 1860, 1880, 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) Metal Box	mm	Φ3.0x ^L 60 for Bare Fiber					
			Φ3.0x ^L 76 for 900um Loose Tube					
			^L 120x ^W 12x ^H 10 for 2mm/3mm Cable					

- Note:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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.
 - 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	Y-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