

## 900~950nm 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	915, 930, 940, 950	
Bandwidth	nm	+/-10	
Excess Loss	dB	≤0.9	
Split Ratio	%	0.01:99.99, 0.1:99.9, 1:99, 2:98, 5:95 10:90, 20:80, 30:70, 40:60, 50:50	
Uniformity (50:50 Ratio)	dB	≤0.8	
Directivity	dB	≥45	
Fiber Type	-	HI780C Fiber, HI1060 Fiber (H) or HI1060 Flex Fiber (F) 10/125um SC Fiber (E) or 10/125um DC Fiber (O)	
Fiber Tensile Load	N	5	
Maximum 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	(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 0.7dB 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 - NNN	- NN	N	C	-HP NN	- (C)	C	NN	- CC/CCC
Center Wavelength	Coupling Ratio	Configuration	Package	Optical Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
915=915nm	01= 1% Ratio	1= 1x2 Type	S=SST Tube	1= 1W	H= HI1060 Fiber	B= Bare Fiber	05=0.5m	N=Without Connector
930=930nm	05= 5% Ratio	2= 2x2 Type	M=Metal Box	5= 5W	E= 10/125SC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
940=940nm	10= 10% Ratio			10=10W	O= 10/125DC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
950=950nm	50= 50% Ratio			20= 20W	Blank for HI780C Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector