

## 750~850nm 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	750, 780, 793, 808, 830, 850
Bandwidth	nm	+/-10
Excess Loss	dB	0.8
Split Ratio	%	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	-	HI780 Fiber or 780-HP Fiber
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	300
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package	Stainless Steel Tube (SST)	(Φ)3.0x60 for Bare Fiber
Dimension	Metal Box	(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. Devices for higher optical power or with other type fiber or consigned fiber are also available.

### ORDERING INFORMATION (PN)

FCLS - <b>NNN</b>	- <b>NN</b>	<b>N</b>	<b>C</b>	<b>-(C)</b>	<b>C</b>	<b>NN</b>	- <b>CC/CCC</b>
Center Wavelength	Coupling Ratio.	Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
780-780nm	01- 1% Ratio	1- 1x2 Type	S=SST Tube	7-780HP Fiber	B- Bare Fiber	05=0.5m	N =Without Connector
808-808nm	05- 5% Ratio	2- 2x2 Type	M=Metal Box	Blank for HI780 Fiber	L- Loose Tube	10=1.0m	FC/APC=FC/APC Connector
850-850nm	10-10% Ratio				2- 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
830-830nm	50- 50% Ratio				3- 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector