

750~850nm 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	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)	W	1, 2, 3, 5, 10, 15, 20	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Φ)3.0x60 for Bare Fiber
		mm	(Φ)3.0x76 for 900um Loose Tube
	Metal Box	mm	(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.

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	
780-780nm	01- 1% Ratio	1- 1x2 Type	S-SST Tube	1- 1W	7-780HP Fiber	B- Bare Fiber	05-0.5m	N=Without Connector	
808-808nm	05- 5% Ratio	2- 2x2 Type	M-Metal Box	2- 2W	Blank for HI780 Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
850-850nm	10-10% Ratio			5- 5W		2- 2mm Cable	15-1.5m	LC/PC =LC/PC Connector	
830-830nm	50- 50% Ratio			10-10W		3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	