

750~850nm Fused Coupler/Splitter for Pulse Power

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 Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20
Max. Peak Power for Pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20
Operating Temperature	°C	0~50
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	(Φ)3.0x60 for Bare Fiber
	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. 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	-H	NN	P NN	-(C)	C	NN	-CC/CCC
Center Wavelength	Coupling Ratio	Configuration	Package	Average Power	Peak Power	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type	
780-780nm	01- 1% Ratio	1- 1x2 Type	S=SST Tube	03- 300mW	01- 100W	7-780HP Fiber	B- Bare Fiber	05-0.5m	N=Without Connector	
808-808nm	05- 5% Ratio	2- 2x2 Type	M=Metal Box	1- 1W	1- 1kW	Blank for HI780 Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
850-850nm	10-10% Ratio			5- 5W	5- 5kW		2- 2mm Cable	15-1.5m	LC/PC =LC/PC Connector	
830-830nm	50- 50% Ratio			10-10W	10-10kW		3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	