

## 850nm Ultra-Wideband 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	A Type			B Type			
Center Wavelength	nm	850						
Bandwidth	nm	+/-50						
Spectrum Type								
Excess Loss	dB	1.0						
Split Ratio	%	1:99	2:98	5:95	10:90	40:60	50:50	
		1+/-0.6%	2+/-0.8%	5+/-2.0%	10%	40%	50%	
Uniformity (50:50 Ratio)	dB	≤1.0						
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) 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. Devices for higher optical power or with other type fiber or consigned fiber are also available.
  4. Package size may be different for different optical power and fiber type.

### ORDERING INFORMATION (PN)

FCLU-NNN	- NN	N	C	-H NN	P NN	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength	Coupling Ratio	Configuration	Type	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
850-850nm	01- 1% Ratio	1- 1x2 Type	A=A Type	03- 300mW	01- 100W	M= Metal Box	7-780HP Fiber	B= Bare Fiber	05-0.5m	N= Without Connector
	05- 5% Ratio	2- 2x2 Type	B=B Type	1- 1W	2- 2kW	Blank for SST	Blank for HI780 Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
	10-10% Ratio			10-10W	5- 5kW			2= 2mm Cable	15-1.5m	LC/PC=LC/PC Connector
	50- 50% Ratio			20-20W	10-10kW			3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector