

## 1700nm 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	Value					
Center Wavelength	nm	1700					
Bandwidth	nm	+/-100					
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	≤0.8					
Directivity	dB	≥45					
Fiber Type	-	SMF-28 Fiber or SM1950 Fiber					
Fiber Tensile Load	N	5					
Maximum Average Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30					
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	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 0.3dB 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)

<b>FCLU-NNNN</b>	<b>- NN</b>	<b>N</b>	<b>-H</b>	<b>NN</b>	<b>P</b>	<b>NN</b>	<b>-(C)</b>	<b>(C)</b>	<b>C</b>	<b>NN</b>	<b>-CC/CCC</b>
<i>Center Wavelength</i>	<i>Coupling Ratio</i>	<i>Configuration</i>	<i>Average Power</i>	<i>Peak Power</i>	<i>Package</i>	<i>Fiber Type</i>	<i>Fiber Sleeve</i>	<i>Fiber Length</i>	<i>Connector Type</i>		
1700-1700nm	01= 1% Ratio	1= 1x2 Type	03= 300mW	01= 100W	M= Metal Box	V= SM1950 Fiber	B= Bare Fiber	05= 0.5m	N= Without Connector		
	05= 5% Ratio	2= 2x2 Type	1= 1W	2= 2kW	Blank for SST	Blank for SMF-28 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		30= 30W	10= 10kW			3= 3mm Cable	20= 2.0m	SC/UPC= SC/UPC Connector		