

## 1xN/MxN Fused Fiber Splitter Module 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	Nx4 N=1, 2, 4	Nx8 N=1, 2, 4	Nx16 N=1, 2, 4	Nx32 N=1, 2, 4
Center Wavelength		nm	1310, 1480, 1550, 1590, 1550&1590, 1310&1550			
<b>Single Window</b> <b>Standard</b>	Passband Width	nm	+/-20			
	Insertion Loss	dB	≤6.8	≤10.2	≤13.6	≤17.5
	PDL	dB	≤0.15	≤0.20	≤0.25	≤0.30
	Uniformity	dB	≤0.8	≤1.0	≤2.0	≤2.5
<b>Single Window</b> <b>Wideband</b>	Passband Width	nm	+/-40			
	Insertion Loss	dB	≤6.8	≤10.2	≤13.6	≤17.5
	PDL	dB	≤0.15	≤0.20	≤0.25	≤0.30
	Uniformity	dB	≤1.0	≤1.2	≤2.4	≤3.0
<b>Dual Window</b> <b>Wideband</b>	Passband Width	nm	+/-40			
	Insertion Loss	dB	≤7.5	≤11.0	≤15.5	≤19.0
	PDL	dB	≤0.20	≤0.30	≤0.40	≤0.50
	Uniformity	dB	≤1.6	≤2.4	≤3.2	≤4.0
Optical Return Loss		dB	≥40			
Directivity		dB	≥50			
Fiber Type		-	SMF-28 Fiber or 10/130um DC Fiber			
Fiber Tensile Load		N	5			
Maximum Average Power		W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 80, 100			
Max. Peak Power for Pulse		kW	0.1, 1, 2, 3, 5, 10, 15, 20			
Operating Temperature		°C	0~70			
Storage Temperature		°C	-40~85			
Package Dimension		mm	L100xW80xH10		L120xW80xH18	

- 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. 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
  5. Package size may be different for different optical power and fiber type.

### ORDERING INFORMATION (PN)

FCLT-NNNN	- C	NxN	-H	NN	P NN	- (C)	C	NN	- CC/CCC
Center Wavelength	Type	Configuration	Average Power	Peak Power	Fiber Type	Fiber Type	Fiber Type	Fiber Length	Connector Type
1310-1310nm	S- Standard	1X4-1x4 Type	03-300mW	01-100W	0-10/130DC Fiber	B- Bare Fiber	05-0.5m	N-Without Connector	
1550-1550nm	W- Wideband	1X8-1x8 Type	2-2W	2-2kW	Blank for SMF-28 Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
CL- 1550&1590nm		4X4-4x4 Type	5-5W	5-5kW		2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
1315-1310nm&1550nm		1X16-1x16 Type	10-10W	10-10kW		3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	

