

## 1600~1790nm 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	1625, 1650, 1700, 1730, 1750, 1790							
Bandwidth	nm	+/-20							
Excess Loss	dB	≤0.90							
Split Ratio	%	0.1:99.9	1:99	2:98	5:95	10:90	40:60	50:50	
		0.1%	1±0.5%	2±0.6%	5±1.0%	10%	40%	50%	
Uniformity (50:50 Ratio)	dB	≤0.8							
Directivity	dB	≥45							
Fiber Type	-	SMF-28 Fiber or 8/125um DC Fiber NA=0.12 (M)							
	-	6/125um DC Fiber NA=0.18 (M1) or 10/130um DC Fiber NA=0.15 (O)							
Fiber Tensile Load	N	5							
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 25, 30, 40, 50, 80, 100							
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	Φ3.0x <sup>L</sup> 60 for Bare Fiber						
			Φ3.0x <sup>L</sup> 76 for 900um Loose Tube						
			<sup>L</sup> 120x <sup>W</sup> 12x <sup>H</sup> 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. 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)

FCLS-NNNN	-	NN	N	-H	NN	P	NN	- (C)	(C)	C	NN	- CC/CCC
Center Wavelength		Coupling Ratio	Configuration	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type		
1625-1625nm		001= 0.1% Ratio	1= 1x2 Type	03=300mW	01=100W	M= Metal Box	O=10/130DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector		
1700-1700nm		05= 5% Ratio	2= 2x2 Type	1= 1W	1= 1kW	Blank for SST	M= 8/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector		
1730-1730nm		10=10% Ratio		5= 5W	5= 5kW		M1= 6/125 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector		
1790-1790nm		50= 50% Ratio		10=10W	10=10kW		Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector		