

## 750nm~850nm Fused PM Fiber 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	≤0.90	
Tap Ratio	%	0.1:99.9, 1:99, 2:98, 5:95, 10:90 20:80, 30:70, 40:60, 50:50	
Directivity	dB	≥50	
Extinction Ratio	dB	≥18	
Fiber Type	-	PM850 Panda Fiber or PM780-HP Fiber	
Fiber Tensile Load	N	5	
Max. Average Optical 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)	mm	(Φ)3.0x60 for Bare Fiber
	Metal Box		(Φ)3.0x76 for 900um Loose Tube

- 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, ER is 2dB Lower, Connector key is aligned to slow axis.
  3. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
  4. For  $5\% \leq \text{Tap Ratio} \leq 10\%$ , Tap Port ER is 2dB Lower, for  $1\% \leq \text{Tap Ratio} < 5\%$ , Tap Port ER is 5dB Lower, for Tap Ratio  $< 1\%$ , Tap Port ER is out of concern.
  5. Devices for higher optical power or with other type fiber or consigned fiber are also available.

### ORDERING INFORMATION (PN)

FPCL-NNN	- 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	
850-850nm	01- 1% Ratio	1- 1x2 Type	03-300mW	01-100W	M- Metal Box	7-PM780HP Fiber	B- Bare Fiber	05-0.5m	N-Without Connector	
830-830nm	05- 5% Ratio	2- 2x2 Type	1- 1W	1- 1kW	Blank for SSL	Blank for PM850 Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
808-808nm	10- 10% Ratio		5- 5W	5- 5kW			2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
780-780nm	50- 50% Ratio		20-20W	20-20kW			3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	