

## 1600~1750nm 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	1600, 1650, 1700, 1750
Bandwidth	nm	+/-10
Excess Loss	dB	≤0.90
Tap Ratio	dB	1±0.5%, 2±0.8%, 5±1.5%, 10±2.3%, 50±5%
Directivity	dB	≥50
Extinction Ratio	dB	≥18
Fiber Type	-	PM1550 Panda Fiber
Fiber Tensile Load	N	5
Max. Average Optical 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	Stainless Steel Tube (SST)	(Φ)3.0x60 for Bare Fiber
Dimension	Metal Box	(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, 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%≤Tap Ratio≤10%, Tap Port ER is 2dB Lower, for 1%≤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- NNNN	- NN	N -H	NN	P NN	-(C)	C	NN	- CC/CCC
Center Wavelength	Coupling Ratio.	Configuration	Average Power	Peak Power	Package	Fiber Sleeve	Fiber Length	Connector Type
1600-1600nm	01- 1% Ratio	1- 1x2 Type	03-300mW	01-100W	M- Metal Box	B- Bare Fiber	05-0.5m	N -Without Connector
1650- 1650nm	05- 5% Ratio	2- 2x2 Type	1- 1W	1- 1kW	Blank for SSL Tube	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
1700-1700nm	10- 10% Ratio		10- 10W	10- 10kW		2- 2mm Cable	15-1.5m	LC/PC =LC/PC Connector
1750-1750nm	50- 50% Ratio		30-30W	20-20kW		3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector