

## 1x2/2x2 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	1310, 1480, 1550, 1570, 1590
Bandwidth	nm	+/-15
Excess Loss	dB	≤0.60
Tap Ratio	dB	0.01:99.99, 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, ≥20(Grade B), ≥22(Grade C), ≥25(Grade D)
Fiber Type	-	PM1310/1550 Fiber or 10/125um PMDC Fiber
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, 60, 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	Stainless Steel Tube (SST) Metal Box	mm
		$\Phi 3.0 \times L60$ for Bare Fiber $\Phi 3.0 \times L76$ for 900um Loose Tube $L120 \times W12 \times H10$ 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  $5\% \leq \text{Tap Ratio} \leq 10\%$ , 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; Devices can only work in the core of Double Cladding (DC) Fiber, Cladding Power must be stripped before connecting the device.
  6. Package size may be different for different optical power and fiber type.

### ORDERING INFORMATION (PN)

FPCL-NNNN	- NN	N	(C)	-H NN	PNN	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength	Coupling Ratio	Configuration	Grade	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
1310-1310nm	001- 0.1% Ratio	1- 1x2 Type	B- Grade B	03-300mW	01-100W	M-Metal Box	0-10/125PMD Fiber	B- Bare Fiber	05-0.5m	N -Without Connector
1480-1480nm	05- 5% Ratio	2- 2x2 Type	C- Grade C	1- 1W	1- 1kW	Blank for SST	Blank for PM1310/1550 Fiber	L- Loose Tube	10-1.0m	FC/APC-FC/APC Connector
1550-1550nm	10- 10% Ratio		D- Grade D	10- 10W	5- 5kW			2- 2mm Cable	15-1.5m	LC/PC-LC/PC Connector
1590-1590nm	50- 50% Ratio		Blank for Standard	30-30W	10-10kW			3- 3mm Cable	20-2.0m	SC/UPC-SC/UPC Connector