460~690nm 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	460, 488, 520, 532	635, 650, 660, 690
Bandwidth		nm	+/-5	
Excess Loss		dB	≤1.4	
Tap Ratio		%	0.1%, 1±0.6%, 2±0.8%, 5±1.5%, 10%, 20%, 30%, 40%, 50%	
Directivity		dB	≥45	
Extinction Ratio		dB	≥18	
Fiber Type		-	PM460-HP Fiber	PM630-HP Fiber
Fiber Tensile Load		N	5	
Maximum Average Power		W	0.1, 0.3, 0.5, 1, 2, 3, 5, 10	
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	$^{\Phi}$3.0x60 for Bare Fiber	
			$^{\Phi}$3.0x76 for 900um Loose Tube	
	Metal Box		^{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 1.0dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.

3. Only guarantee 30mW 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- NNN - 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
488= 488nm	01= 1% Ratio	1= 1x2 Type	05=500mW	01= 100W	M= Metal Box	B= Bare fiber	05=0.5m	N=Without Connector
532=532nm	05= 5% Ratio	2= 2x2 Type	1= 1W	1= 1kW	*Blank* for SSL	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
635=635nm	10= 10% Ratio		5= 5W	5= 5kW		2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
650=650nm	50= 50% Ratio		10=10W	10=10kW		3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector