

460~690nm High Power Fused PM Fiber Coupler/Splitter

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 Optical Power (CW)	mW	0.3, 0.5, 1, 2, 3, 5, 10	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	Φ3.0x60 for Bare Fiber
Dimension			Φ3.0x76 for 900um Loose Tube
			L120x ^W 12x ^H 10 for 2mm/3mm Cable
	Metal Box		

- 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	-HP NN	- (C)	C	NN	-CC/CCC
Center Wavelength	Coupling Ratio.		Configuration	Optical Power	Package	Fiber Sleeve	Fiber Length	Connector Type	
488-488nm	01- 1% Ratio		1- 1x2 Type	05-500mW	M- Metal Box	B- Bare fiber	05-0.5m	N-Without Connector	
532-532nm	05- 5% Ratio		2- 2x2 Type	1- 1W	Blank for SSL	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector	
635-635nm	10- 10% Ratio			5- 5W		2- 2mm Cable	15-1.5m	LC/PC=LC/PC Connector	
650-650nm	50- 50% Ratio			10-10W		3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector	