

460~690nm 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	100	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	mm	Φ3.0x60 for Bare Fiber	
Stainless Steel Tube (SST)		Φ3.0x76 for 900um Loose Tube	
Metal Box		L120x ^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	-	(C)		C		NN	-	CC/CCC
		<i>Center Wavelength</i>		<i>Coupling Ratio.</i>		<i>Configuration</i>		<i>Package</i>		<i>Fiber Sleeve</i>		<i>Fiber Length</i>		<i>Connector Type</i>
		488=488nm		01=1% Ratio		1=1x2 Type		M= Metal Box		B= Bare fiber		05=0.5m		N=Without Connector
		532=532nm		05=5% Ratio		2=2x2 Type		Blank for SSL		L= Loose Tube		10=1.0m		FC/APC=FC/APC Connector
		635=635nm		10=10% Ratio						2= 2mm Cable		15=1.5m		LC/PC=LC/PC Connector
		650=650nm		50=50% Ratio						3= 3mm Cable		20=2.0m		SC/UPC=SC/UPC Connector