

900~950nm 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	915, 930, 940, 950
Bandwidth	nm	+/-10
Excess Loss	dB	≤0.90
Tap Ratio	%	0.01:99.99, 0.1:99.9, 1:99, 2:98, 5:95 10:90, 20:80, 30:70, 40:60, 50:5
Directivity	dB	≥50
Extinction Ratio	dB	≥18
Fiber Type	-	PM850 Fiber or PM980 Panda Fiber (H) PM1060L Fiber (E) or 10/125um PMDC Fiber (O)
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	0~50
Storage Temperature	°C	-40~85
Package Dimension	mm	(Φ)3.0x60 for Bare Fiber
Stainless Steel Tube (SST)		(Φ)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 0.7dB 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; 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-NNN	- NN	N	-H NN	P NN	-(C)	(C)	C	NN	-CC/CCC
Center Wavelength	Coupling Ratio	Configuration	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
915-915nm	001= 0.1% Ratio	1= 1x2 Type	03=300mW	01=100W	M= Metal Box	H=PM980 Fiber	B= Bare Fiber	05=0.5m	N =Without Connector
930-930nm	05= 5% Ratio	2= 2x2 Type	1= 1W	1= 1kW	Blank for SSL	E=PM1060L Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
940-940nm	10= 10% Ratio		10= 10W	10= 10kW		O=10/125PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC =LC/PC Connector
950-950nm	50= 50% Ratio		30=30W	20=20kW		Blank for PM850 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector