

750~850nm 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	750, 780, 793, 808, 830, 850	
Bandwidth	nm	+/-10	
Excess Loss	dB	≤0.90	
Tap Ratio	%	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	
Fiber Type	-	PM850 Panda Fiber or PM780-HP Fiber	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~50	
Storage Temperature	°C	-40~85	
Package Dimension	Stainless Steel Tube (SST)	mm	(Φ)3.0x60 for Bare Fiber
			(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. 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.
 4. 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)	C	NN	- CC/CCC
Center Wavelength	Coupling Ratio.	Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
850-850nm	01-1% Ratio	1-1x2 Type	M- Metal Box	7-PM780HP Fiber	B- Bare Fiber	05-0.5m	N -Without Connector
830-830nm	05-5% Ratio	2-2x2 Type	Blank for SSL	Blank for PM850 Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
808-808nm	10-10% Ratio				2- 2mm Cable	15-1.5m	LC/PC =LC/PC Connector
780-780nm	50-50% Ratio				3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector