

750nm~850nm 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	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	
Max. Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20	
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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 4. 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.
 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)	C	NN	- CC/CCC
Center Wavelength	Coupling Ratio.	Configuration	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
850-850nm	01- 1% Ratio	1- 1x2 Type	1- 1W	M- Metal Box	7-PM780HP Fiber	B- Bare Fiber	05-0.5m	N -Without Connector
830-830nm	05- 5% Ratio	2- 2x2 Type	3- 3W	Blank for SSL	Blank for PM850 Fiber	L- Loose Tube	10-1.0m	FC/APC=FC/APC Connector
808-808nm	10- 10% Ratio		5- 5W			2- 2mm Cable	15-1.5m	LC/PC =LC/PC Connector
780-780nm	50- 50% Ratio		20-20W			3- 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector