

1x2/2x2 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 Equipment



SPECIFICATIONS

Parameter	Unit	Value
Center Wavelength	nm	1310, 1480, 1550, 1570, 1590
Bandwidth	nm	+/-15
Excess Loss	dB	≤0.60
Tap Ratio	dB	0.01:99.99, 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	≥20
Fiber Type	-	PM1310/1550 Fiber or 10/125um PMDC Fiber
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	mW	300
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	(Φ)3.0x60 for Bare Fiber
	Metal Box	(Φ)3.0x76 for 900um Loose Tube
		(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 0.3dB higher, RL is 5dB lower, ER is 2dB Lower, Connector key is aligned to slow axis.
 3. 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.
 4. 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.
 5. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN)

FPCL-	NNNN	-	NN		N	-(C)	(C)		C	NN	-CC/CCC
	Center Wavelength		Coupling Ratio.		Configuration	Package	Fiber Type		Fiber Sleeve	Fiber Length	Connector Type
	1310=1310nm		001= 0.1% Ratio		1= 1x2 Type	M= Metal Box	O=10/125PMDC Fiber		B= Bare Fiber	05=0.5m	N=Without Connector
	1480=1480nm		05= 5% Ratio		2= 2x2 Type	Blank for SST	Blank for PM1310/1550 Fiber		L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	1550=1550nm		10=10% Ratio						2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	1590=1590nm		50= 50% Ratio						3= 3mm Cable	20=2.0m	SC/APC=SC/APC Connector