

1x2/2x2 Fused Fiber Tap 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	1310, 1480, 1550, 1590, 1550&1590, 1310&1550	
Excess Loss	dB	≤0.45	
Optical Return Loss	dB	≥40	
Directivity	dB	≥50	
Fiber Type	-	SMF-28 Fiber or 8/125um DC Fiber NA=0.12 (M) 6/125um DC Fiber NA=0.18 (M1) or 10/130um DC Fiber NA=0.15 (O)	
Fiber Tensile Load	N	5	
Maximum Optical Power (CW)	mW	300	
Operating Temperature	°C	0~70	
Storage Temperature	°C	-40~85	
Package	Stainless Steel Tube (SST)	mm	Φ3.0x ^L 54 (Standard), Φ2.4x ^L 30 (Minisize)
Dimension	Plastic Box-Q		^L 90x ^W 20x ^H 10
	Metal Box-M		^L 120x ^W 12x ^H 10

INSERTION LOSS TABLE

Type	Single Window Standard			Single Window Wideband			Dual Window Wideband		
Passband	+/-20			+/-40			+/-40		
Tap Ratio	Insertion Loss		PDL	Insertion Loss		PDL	Insertion Loss		PDL
	P Grade	A Grade		P Grade	A Grade		P Grade	A Grade	
0.1/99.9	0.20/32.0	0.30/33.0	0.30	0.20/32.0	0.30/33.0	0.35	0.30/32.5	0.4/34.0	0.45
1/99	0.20/21.5	0.30/22.0	0.20	0.20/21.5	0.30/22.0	0.25	0.30/23.5	0.4/24.0	0.30
2/98	0.25/19.0	0.30/20.0	0.18	0.25/19.0	0.30/20.0	0.20	0.30/20.0	0.4/21.0	0.30
5/95	0.40/14.6	0.50/15.0	0.15	0.40/14.6	0.50/15.0	0.15	0.50/15.0	0.60/16.0	0.25
10/90	0.6/10.90	0.8/11.5	0.15	0.6/11.10	0.8/12.0	0.15	0.7/11.3	0.9/12.7	0.20
20/80	1.1/7.4	1.3/7.7	0.15	1.2/7.7	1.4/8.0	0.15	1.3/7.9	1.5/8.4	0.20
30/70	1.8/5.6	2.0/6.0	0.15	1.9/5.8	2.1/6.2	0.15	2.0/6.0	2.2/6.4	0.20
40/60	2.5/4.4	2.8/4.6	0.15	2.6/4.5	2.9/4.8	0.15	2.8/4.9	2.9/5.0	0.20
50/50	3.40	3.60	0.15	3.40	3.70	0.15	3.60	3.90	0.20

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.

3. 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.

4. Package size may be different for different optical power and fiber type.

ORDERING INFORMATION (PN) FCLS=Standard Type; FCLW=Wideband Type.

FCLS	NNNN	NN	C	N	C	(C)	C	NN	CC/CCC
FCLW	Center Wavelength	Coupling Ratio	Grade	Configuration	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	1310= 1310nm	001= 0.1% Ratio	P= P Grade	1= 1x2 Type	S=SST Standard	O=10/130DC Fiber	B= Bare fiber	05=0.5m	N=Without Connector
	1550= 1550nm	05= 5% Ratio	A= A Grade	2= 2x2 Type	N=Minisize	M= 8/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	CL= 1550&1590nm	10=10% Ratio			Q=Plastic Box-Q	M1= 6/125 PMDC Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	1315= 1310&1550nm	50= 50% Ratio			M=Metal Box-M	Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector

