

1x2/2x2 High Power Fused Fiber Tap Coupler/Splitter

FEATURES

- Low Excess Loss
- Variety Coupling Ratio
- High Reliability and Stability

APPLICATIONS

- LAN WAN Systems
- Network Monitoring
- 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) 10/130um DC Fiber NA=0.08 (O) or 10/130um DC Fiber NA=0.15 (O2)
Fiber Tensile Load	N	5
Maximum Optical Power (CW)	W	1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 80, 100, 150, 200
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	Φ3.0x ^L 54
	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	0.20	0.20/32.0	0.30/33.0	0.25	0.30/32.5	0.4/34.0	0.30
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. Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 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) FCLS= Standard Type; FCLW= Wideband Type.

FCLS	NNNN	NN	C	N	-HP NN	- C	(C)	C	NN	-CC/CCC
FCLW	Center Wavelength	Coupling Ratio	Grade	Configuration	Optical Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	1310= 1310nm	001= 0.1% Ratio	P= P Grade	1= 1x2 Type	1= 1W	S=SST Standard	O=10/130DC NA08 Fiber	B= Bare Fiber	O5=0.5m	N=Without Connector
	1550= 1550nm	05= 5% Ratio	A= A Grade	2= 2x2 Type	2= 2W	N=Minisize	M=8/125 PMDC Fiber	L= Loose Tube	10=1.0m	FC/APC=FC/APC Connector
	CL= 1550&1590nm	10= 10% Ratio			5= 5W	Q=Plastic Box-Q	O2=10/130 DC NA15 Fiber	2= 2mm Cable	15=1.5m	LC/PC=LC/PC Connector
	1315= 1310&1550nm	50= 50% Ratio			10=10W	M=Metal Box-M	Blank for SMF-28 Fiber	3= 3mm Cable	20=2.0m	SC/UPC=SC/UPC Connector