

1x2/2x2 Fused Tap Coupler/Splitter for Pulse Power

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
Max. Average Optical Power	W	0.3, 0.5, 1, 2, 3, 5, 10, 15, 20, 30, 40, 50, 80, 100, 150, 200
Max. Peak Power for pulse	kW	0.1, 1, 2, 3, 5, 10, 15, 20, 30, 50
Operating Temperature	°C	0~70
Storage Temperature	°C	-40~85
Package Dimension	Stainless Steel Tube (SST)	Φ3.0xL54
	Plastic Box-Q	L90xW20xH10
	Metal Box-M	L120xW12xH10

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	-H NN	P NN	-C	(C)	C	NN	-CC/CCC
FCLW	Center Wavelength	Coupling Ratio	Grade	Configuration	Average Power	Peak Power	Package	Fiber Type	Fiber Sleeve	Fiber Length	Connector Type
	1310-1310nm	001- 0.1% Ratio	P= P Grade	1- 1x2 Type	03-300mW	01-100W	S-SST Standard	O=10/130DC NA08 Fiber	B= Bare Fiber	05-0.5m	N=Without Connector
	1550-1550nm	05- 5% Ratio	A= A Grade	2- 2x2 Type	1- 1W	1- 1kW	N=Minisize	M=8/125 PMDC Fiber	L= Loose Tube	10-1.0m	FC/APC=FC/APC Connector
	CL= 1550&1590nm	20- 20% Ratio			5- 5W	5- 5kW	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	10-10kW	M=Metal Box-M	Blank for SMF-28 Fiber	3= 3mm Cable	20-2.0m	SC/UPC=SC/UPC Connector

