

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

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
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	Stainless Steel Tube (SST)	Φ3.0x ^L 54
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:**
- Specifications are for device without connectors; Specifications may change without notice.
 - To add connectors, IL is 0.3dB higher, RL is 5dB lower.
 - Only guarantee 1W continuous wave (CW) power thru testing for connectors added.
 - 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.
 - 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 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	M1= 6/125 PMDC 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

