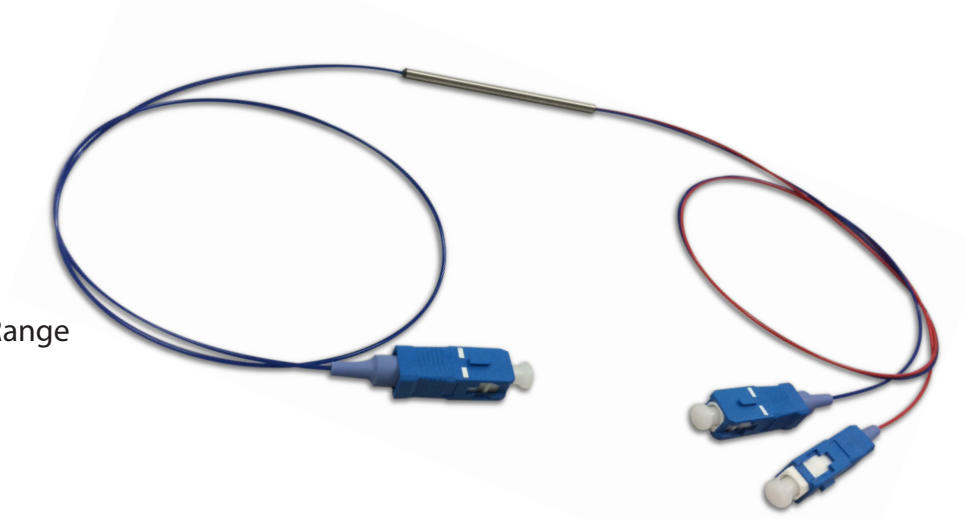
GoFoton
PASSIVE OPTICS

Dual Window Fused Tap Coupler

Features:

- Low PDL
- Low Excess Loss
- Low Insertion Loss
- Telcordia GR-1221 Compliant
- Wide Operating Temperature Range

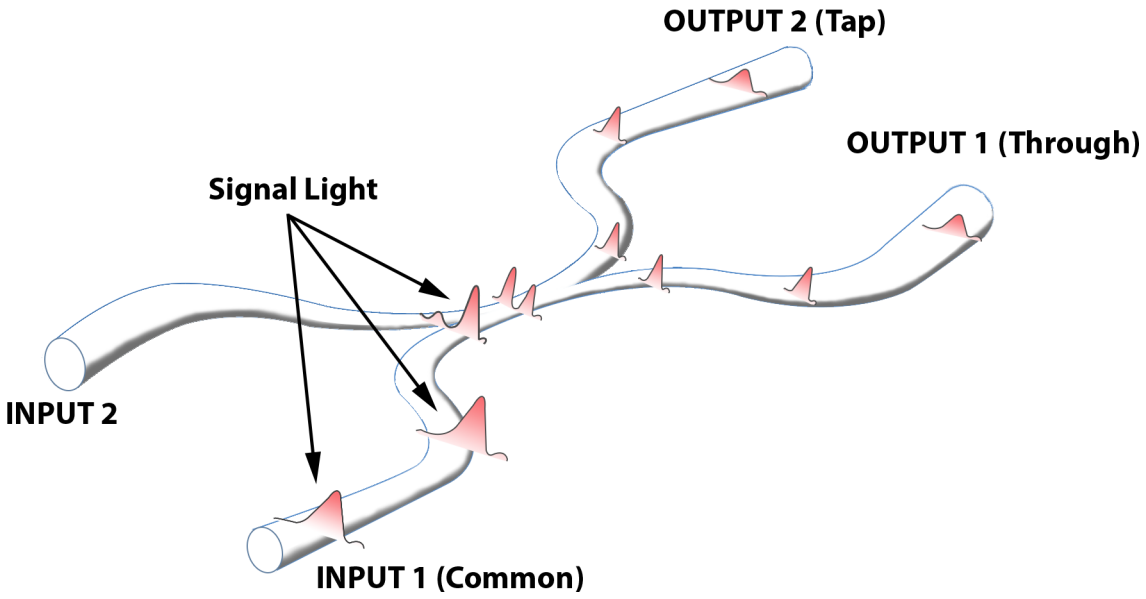


Applications:

- Fiber Distribution
- Signal Monitoring
- Power Splitting

Description:

Go!Foton's Dual Window Fused Coupler (FFCT-D) can be used to split light from one fiber to two fibers or to combine light from two fibers to one and provide high performance across a broad wavelength. These devices are ideal for CATV systems and telecommunications, and provide low insertion loss with high reliability.



Coupling of Light on FUSED BICONICALLY TAPERED COUPLER

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Specifications:

Grade		Premium	Grade A
Wavelength (nm)		1310 ± 40 and 1550 ± 40	
Insertion Loss Tap Ratio (dB)	Max		
50/50		3.6	3.9
40/60		4.7/2.7	5.0/2.9
30/70		6.0/1.9	6.4/2.1
20/80		7.9/1.2	8.3/1.4
10/90		11.3/0.6	12.7/0.8
5/95		14.6/0.4	15.9/0.5
1/99		23.5/0.3	24.0/0.4
Uniformity[1] (dB)	Min	0.8	1.0
Polarization Dependent Loss[1](dB)	Max	0.15	0.15
Directivity (dB)	Min	55	
Maximum Power Handling (mw)		500	
Operating Temperature[2] (°C)		-40 to 85	
Storage Temperature (°C)		-40 to 85	
Fiber Type		SMF-28e or Equivalent	
Package Dimension (mm)		250µm Bare Fiber: (Φ)3.0 x (L)45	
		900µm Loose Tube: (Φ)3.0 x (L) 65	
		3mm Cable: (L)80 x (W)12 x (H)7	

All specifications are without fiber connectors.

[1] For 50/50 Tap only

[2] -10°C ~ 70°C for loose tube and 3mm cable

Ordering Information:

FFCT — D — X — XX — XX — X — X — X

Product Category
Fused Fiber Related

Dual Window
1310 ± 40
and
1550 ±40

Grade
P - Premium
A - Grade A

Coupling Ratio
50 - 50/50
40 - 40/60
30 - 30/70
20 - 20/80
10 - 10/90
05 - 05/95
01 - 01/99

Configuration
12 - 1 x 2
22 - 2 x 2

Package
1 - 250um Bare Fiber
2 - 900µm Loose Tube
C - 3mm Cable

Pigtail Length
1 - 1m(std.)
9 - Others

Connector Type
0 - None
1 - FC/SPC
2 - FC/APC
3 - SC/SPC
4 - SC/APC
5 - LC
6 - MU
7 - ST
9 - Other

Example: FFCT - D - P - 50 - 12 - 1 - 1 - 3
Fused Fiber Coupler, Dual Window, Premium Grade, with 50/50 Coupling Ratio,
1 x 2 Configuration, SMF-28e 250um Bare Fiber, 1m with SC/SPC Connector on all port

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