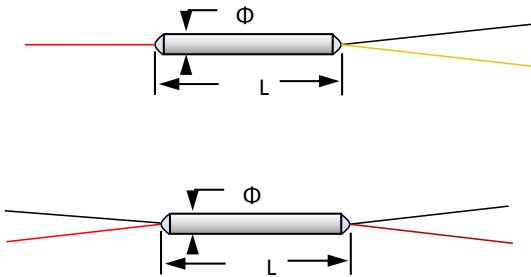


1×2, 2×2 SM C&L Band Broadband Coupler 1575±50nm

The 1×2, 2×2 Single Mode C&L Band Broadband Coupler is built by using fused biconical taper (FBT) technology. It can be used to split the input signal at various ratios with low insertion loss.



Features

- Low Excess Loss
- C+L Band Broadband
- High Reliability & Stability
- Various Coupling Ratio

Applications

- CATV
- Long-haul Telecom
- Local Area Network
- Fiber Amplifier
- Lab & Research

Performance Specification

Parameter	Value	Unit	
Configuration	1X2, 2X2		
Center Wavelength	1575	nm	
Operating Wavelength Range	1525-1625 (C&L Band)	nm	
Max. Excess Loss	0.15	dB	
Max. Insertion Loss	50/50	3.4/3.4 dB	
	40/60	4.4/2.6 dB	
	30/70	5.7/1.9 dB	
	20/80	7.5/1.2 dB	
	10/90	11.0/0.6 dB	
	5/95	14.2/0.4 dB	
	3/97	16.7/0.3 dB	
	2/98	18.5/0.3 dB	
	1/99	21.5/0.2 dB	
Max. PDL	0.1	dB	
Min. Directivity	50	dB	
Min. Return Loss	50	dB	
Max. Thermal Stability	0.002	dB/°C	
Max. Tensile Load	5	N	
Fiber Type	Corning SMF-28e		
Operating Temperature	-40 to +80	°C	
Storage Temperature	-50 to +85	°C	
Package Dimension	Φ3.0×L40 for bare fiber, and Φ3.0×L56 for 900um loose tube		mm

Note

* Above specifications are for device without connector, tested at center wavelength.
* Specs subject to change without notice.

Ordering Information

SMBC-AA-BB-CC-DD-E-FF-GG

AA	BB	CC	DD	E	FF	GG
Wavelength	Port	Coupling Ratio	Fiber Type	Fiber Jacket	Fiber Length	Connector
CL - C+L Band	12 - 1X2	01 - 01/99	SM - SMF-28e Fiber	B - 250um Bare	05 - 0.5m	NE - None
SS - Specify	22 - 2X2	02 - 02/98	SS - Specify	Tube	08 - 0.8m	FA - FC/APC
	SS - Specify	04 - 04/96		L - 900um Loose	10 - 1.0m	FP - FC/PC
		05 - 05/95		Tube	15 - 1.5m	SA - SC/APC
		10 - 10/90		C - 3.0mm Cable	SS - Specify	SP - SC/PC
		20 - 20/80				LA - LC/APC
		30 - 30/70				LP - LC/PC
		50 - 50/50				SS - Specify
		SS - Specify				