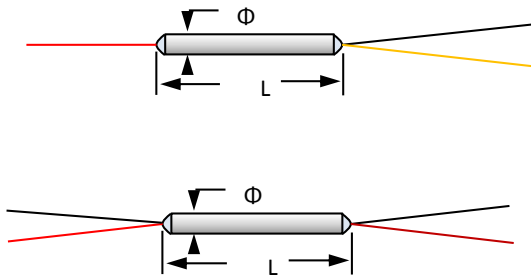


1×2, 2×2 SM Broadband Coupler 1450nm

The 1450nm 1×2, 2×2 Single Mode 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
- Broadband
- High Reliability & Stability
- Various Coupling Ratio

Applications

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

Performance Specification

Parameter	Value	Unit	
Configuration	1X2, 2X2		
Center Wavelength	1450 or customized	nm	
Bandwidth	±30	nm	
Max. Excess Loss	0.2	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	14.2/0.42	dB
	3/97	16.7/0.32	dB
	2/98	18.5/0.3	dB
	1/99	21.5/0.22	dB
Max. PDL	0.1	dB	
Min. Directivity	55	dB	
Min. Return Loss	50	dB	
Max. Thermal Stability	0.002	dB/°C	
Max. Tensile Load	5	N	
Fiber Type	Corning SMF-28e		
Max. Handling Power (CW)	2	W	
Operating Temperature	-40 to +80	°C	
Storage Temperature	-50 to +85	°C	
Package Dimension	Φ3.0×L54 for bare fiber, and Φ3.0×L70 for 900um loose tube		mm

Note

* Above specifications are for device without connectors.

Ordering Information

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

AAAA	BB	CC	DD	E	FF	GG
Wavelength	Port	Coupling Ratio	Fiber Type	Fiber Jacket	Fiber Length	Connector
1450 - 1450nm	12 - 1X2	01 - 01/99	SM - SMF-28e Fiber	B - 250um Bare Tube	05 - 0.5m	NE - None
1480 - 1480nm	22 - 2X2	02 - 02/98	SS - Specify	L - 900um Loose Tube	08 - 0.8m	FA - FC/APC
SSSS - Specify	SS - Specify	04 - 04/96		C - 3.0mm Cable	10 - 1.0m	FP - FC/PC
		05 - 05/95			15 - 1.5m	SA - SC/APC
		10 - 10/90			SS - Specify	SP - SC/PC
		20 - 20/80				LA - LC/APC
		30 - 30/70				LP - LC/PC
		50 - 50/50				SS - Specify
		SS - Specify				