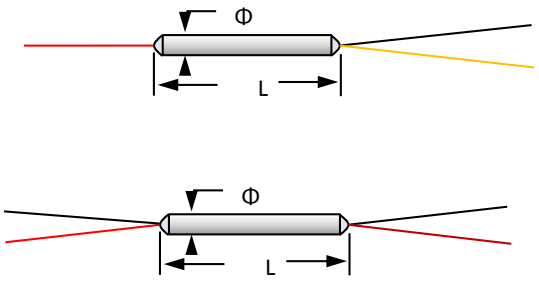
1×2, 2×2 SM Broadband Coupler 1550nm

The 1550nm 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		1310, 1550 or customized	nm
Bandwidth		±40	nm
Max. Excess Loss		0.1	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		55	dB
Min. Return Loss		50	dB
Max. Thermal Stabiligy		0.002	dB/℃
Max. Tensile Load		5	N
Fiber Type		Corning SMF-28e	
Operating Temperature		-40 to +80	℃
Storage Temperature		-50 to +85	℃
Package Dimension		Φ3.0×L40 for bare fiber, and Φ3.0×L56 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**
1310 - 1310nm 1480 - 1480nm 1550 - 1550nm SSSS - Specify	12 - 1X2 22 - 2X2 SS - Specify	01 - 01/99 02 - 02/98 04 - 04/96 05 - 05/95 10 - 10/90 20 - 20/80 30 - 30/70 50 - 50/50 SS - Specify	SM - SMF-28e Fiber SS - Specify	B - 250um Bare Tube L - 900um Loose Tube C - 3.0mm Cable	05 - 0.5m 08 - 0.8m 10 - 1.0m 15 - 1.5m SS - Specify	NE - None FA - FC/APC FP - FC/PC SA - SC/APC SP - SC/PC LA- LC/APC LP - LC/PC SS - Specify

sales@of-link.com
RoHS