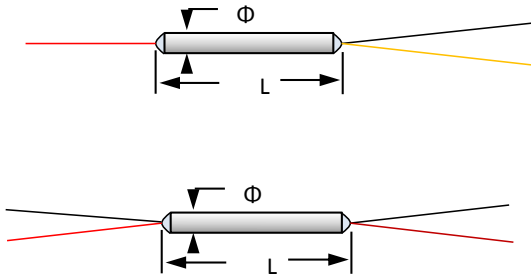


1×2, 2×2 SM Fused Coupler 790 793 800 808 810 nm

The 790 793 800 808 810 nm 1×2, 2×2 Single Mode Fused 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
- High Reliability & Stability
- Various Coupling Ratio

Applications

- Instrument
- Fiber Sensor
- Fiber Amplifier
- Lab & Research

Performance Specification

Parameter	Value	Unit
Configuration	1X2, 2X2	
Center Wavelength	790, 793, 800, 808, 810 or customized	nm
Bandwidth	±10	nm
Typ. Excess Loss	0.4	dB
Max. Insertion Loss	50/50	3.7/3.7 dB
	40/60	4.8/2.8 dB
	30/70	6.2/2.0 dB
	20/80	8.0/1.5 dB
	10/90	11.5/0.75 dB
	5/95	14.5/0.5 dB
	3/97	16.7/0.4 dB
	2/98	18.5/0.35 dB
	1/99	22/0.3 dB
Max. PDL	0.2	dB
Min. Directivity	50	dB
Min. Return Loss	50	dB
Max. Thermal Stability	0.005	dB/°C
Max. Tensile Load	5	N
Fiber Type	Corning HI 780	
Operating Temperature	-40 to +80	°C
Storage Temperature	-50 to +85	°C
Package Dimension	Φ3.0×L56	mm

Note

* Above specifications are for device without connectors.
* Specs subject to change without notice.

Ordering Information

SMSC-AAA-BB-CC-DD-E-FF-GG

AAA	BB	CC	DD	E	FF	GG
Wavelength	Port	Coupling Ratio	Fiber Type	Fiber Jacket	Fiber Length	Connector
790 - 790nm	12 - 1X2	01 - 01/99	H7 - HI 780 Fiber	B - 250um Bare	05 - 0.5m	NE - None
793 - 793nm	22 - 2X2	02 - 02/98	SS - Specify	Tube	08 - 0.8m	FA - FC/APC
800 - 800nm	SS - Specify	04 - 04/96		L - 900um Loose	10 - 1.0m	FP - FC/PC
808 - 808nm		05 - 05/95		Tube	15 - 1.5m	SA - SC/APC
810 - 810nm		10 - 10/90		C - 3.0mm Cable	SS - Specify	SP - SC/PC
SSS - Specify		20 - 20/80				LA - LC/APC
		30 - 30/70				LP - LC/PC
		50 - 50/50				SS - Specify
		SS - Specify				