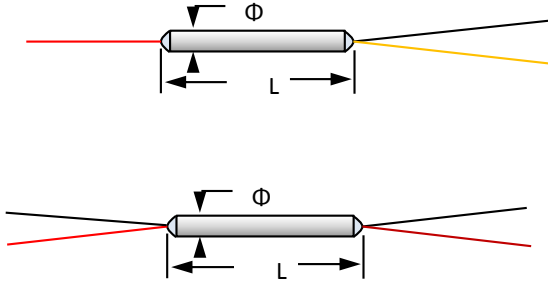


1×2, 2×2 SM Visible Wavelength Coupler

The 1×2, 2×2 Single Mode Visible Wavelength 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

- Fiber Instrument
- Fiber Sensor
- Lab & Research

Performance Specification

Parameter	Value	Unit	
Configuration	1X2, 2X2		
Center Wavelength	532, 590 632, 638, 650, 680, 780 or customized	nm	
Bandwidth	±15	nm	
Max. Excess Loss	0.4	dB	
Max. Insertion Loss	50/50	3.6/3.6	dB
	40/60	4.8/2.8	dB
	30/70	6.0/2.0	dB
	20/80	8.0/1.5	dB
	10/90	11.5/0.7	dB
	5/95	15/0.5	dB
1/99	22/0.3	dB	
Max. PDL	0.2	dB	
Min. Directivity	55	dB	
Min. Return Loss	50	dB	
Max. Thermal Stability	0.004	dB/°C	
Fiber Type	Nufern SM Fiber, or HI 780 Fiber		
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.
- * Specifications may change without notice.

Ordering Information

SMVC-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
532 - 532nm	12 - 1X2	01 - 01/99	N4 - Nufern S460 HP	B - 250um Bare	05 - 0.5m	NE - None
539 - 539nm	22 - 2X2	02 - 02/98	N6 - Nufern S630 HP	Tube	08 - 0.8m	FA - FC/APC
632 - 632nm	SS - Specify	04 - 04/96	N7 - Nufern S780 HP	L - 900um Loose	10 - 1.0m	FP - FC/PC
638 - 638nm		05 - 05/95	H7 - HI 780C	Tube	15 - 1.5m	SA - SC/APC
650 - 650nm		10 - 10/90	SS - Specify	C - 3.0mm Cable	SS - Specify	SP - SC/PC
680 - 680nm		20 - 20/80				LA - LC/APC
690 - 690nm		30 - 30/70				LP - LC/PC
780 - 780nm		50 - 50/50				SS - Specify
SSS - Specify		SS - Specify				