

SINGLE-MODE COUPLER: STANDARD 1x2, 2x2
(1310, or 1550nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	Value
Wavelength		nm	1310, or 1550
Bandwidth		nm	±15
Excess Loss		Typ. dB	0.07
Insertion Loss (23°C, All SOP)	50/50	Max dB	3.4
	40/60	Max dB	4.4/2.6
	30/70	Max dB	5.7/1.9
	20/80	Max dB	7.6/1.25
	10/90	Max dB	11.0/0.65
	5/95	Max dB	14.2/0.4
	2/98	Max dB	18.5/0.25
1/99	Max dB	21.5/0.2	
PDL		Max dB	0.1
Directivity		Min dB	55
Optical Power Handling		Max mW	300
Operating Temperature		°C	-40 to 85
Storage Temperature		°C	-40 to 85

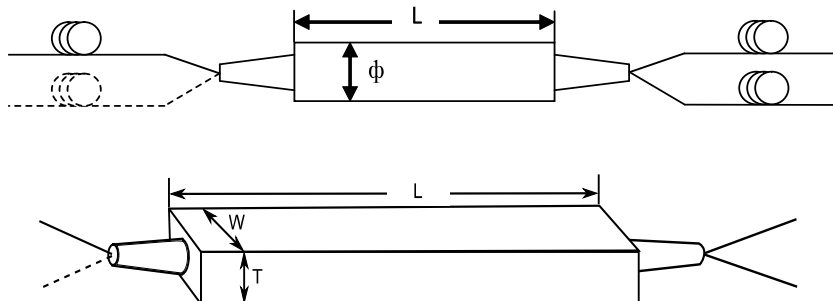
* The above specifications are for parts without connectors. Adding connectors can affect the IL, & PDL.
* SOP=State Of Polarization

Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber	900µm loose tube	900µm/3mm loose tube
Configuration		1x2 or 2x2		
Dimension	mm	Φ3.0 x L40 Φ3.0 x L54	φ3.0 x L54 φ3.0 x L56	L90 x W20 x T10

Package Diagram



Contact Ascentta for all your custom design needs.

SINGLE-MODE COUPLER: STANDARD 1x2, 2x2
(1310, or 1550nm)

Ordering Information

Contact Ascentta with your custom configuration needs.

CP	Type	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Cable Type	Fiber Length	Connector
CP	S=Standard	13=1310 15=1550 X: Others	50=50/50 20=20/80 10=10/90 05=05/95 02=02/98 01=01/99 X=Others	12=1x2 22=2x2 X= Others	A40=φ3.0 x L40 A54=φ3.0 x L54 A56=φ3.0 x L56 C10=L90xW20x T10 X=Others	S=SMF-28 X= Others	B=250um L=900um W=2mm H=3mm	05=0.5m 10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others

Contact Ascentta for all your custom design needs.

SINGLE-MODE COUPLER: STANDARD 1x2, 2x2
(2000nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	Value
Wavelength		nm	2000
Bandwidth		nm	±20
Excess Loss		Typ. dB	0.3
Insertion Loss (23°C, All SOP)	50/50	Max dB	3.6
	40/60	Max dB	4.8/2.8
	30/70	Max dB	6.0/2.0
	20/80	Max dB	8.0/1.5
	10/90	Max dB	11.5/0.75
	5/95	Max dB	14.5/0.5
	2/98	Max dB	18.5/0.35
	1/99	Max dB	22/0.3
PDL		Max dB	0.2
Directivity		Min dB	50
Optical Power Handling		Max W	1
Operating Temperature		°C	-40 to 75
Storage Temperature		°C	-40 to 85

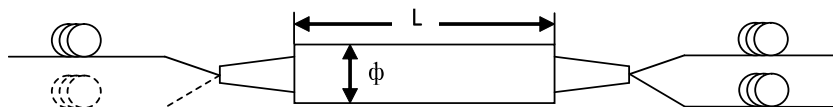
* The above specifications are for parts without connectors. Adding connectors can affect the IL, & PDL.
* SOP=State Of Polarization

Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber	900µm loose tube
Configuration		1x2 or 2x2	
Dimension	mm	Φ3.0 x L54	φ3.0 x L70

Package Diagram



Contact Ascentta for all your custom design needs.

SINGLE-MODE COUPLER: STANDARD 1x2, 2x2
(2000nm)

Ordering Information

Contact Ascentta with your custom configuration needs.

CP	Type	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Cable Type	Fiber Length	Connector
CP	S=Standard	20=2000 X: Others	50=50/50 40=40/60 30=30/70 20=20/80 10=10/90 05=05/95 02=02/98 01=01/99 X=Others	12=1x2 22=2x2 X= Others	A54=φ3.0 x L54 A70=φ3.0 x L70 X=Others	S=SM 1950 X= Others	B=250um L=900um	05=0.5m 10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others

Contact Ascentta for all your custom design needs.

SINGLE-MODE COUPLER: 1x2, 2x2
(488, 532, 635, 780, 830, 980, or 1064nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	488, 532, or 635nm	780, or 830nm	980, or 1064nm	
Bandwidth		nm	±2	±5	±10	
Excess Loss		Max	dB	0.3	0.3	0.15
Insertion Loss (23°C, All SOP)	50/50	Max	dB	3.6		
	40/60	Max	dB	4.8/2.8		
	30/70	Max	dB	6.0/2.0		
	20/80	Max	dB	8.0/1.5		
	10/90	Max	dB	11.5/0.75		
	5/95	Max	dB	14.5/0.5		
	2/98	Max	dB	18.5/0.35		
PDL		Max	dB	0.2	0.2	0.1
Return Loss		Min	dB	50		
Directivity		Min	dB	50		
Optical Power Handling		Max	mW	100	4000	4000
Operating Temperature			°C	-5 to 75		
Storage Temperature			°C	-40 to 85		

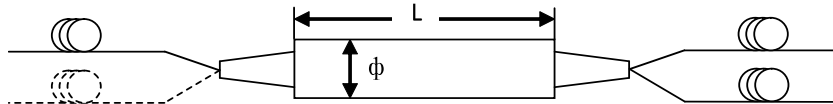
- * The above specifications are for parts without connectors. Adding connectors can affect the IL, RL, & PDL.
- * Optical Power Handling is limited to 1W if connectors are added.
- * SOP=State Of Polarization

Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber	900µm loose tube
Configuration		1x2 or 2x2	
Dimension	mm	φ3.0 x L54	φ3.0 x L70

Package Diagram



Contact Ascentta for all your custom design needs.

SINGLE-MODE COUPLER: 1x2, 2x2
 (488, 532, 635, 780, 830, 980, or 1064nm)

Ordering Information

Contact Ascentta with your custom configuration needs.

CP	Type	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Cable Type	Fiber Length	Connector	
CP	S=Standard	488=488	50=50/50	12=1x2	A54=φ3.0xL54	H1=Hi 1060	B=250um	05=0.5m	NE=None	
		532=532	20=20/80	22=2x2	A70=φ3.0xL70	F1=1060 Flexcore	L=900um	10=1.0m	FA=FC/APC	
		635=635	10=10/90				W=2mm	15=1.5m	FC=FC/PC	
		780=780	05=05/95	X= Others	X=Others	X= Others	H=3mm	20=2.0m	SA=SC/APC	
		830=830	02=02/98					30=3.0m	SC=SC/PC	
		980=980	01=01/99						ST=ST/PC	
		10=1064							LA=LC/APC	
										LC=LC/PC
				X: Others	X=Others				X=Others	X=Others

Contact Ascentta for all your custom design needs.

SINGLE-MODE COUPLER: WIDE-BAND 1x2, 2x2 (1310, or 1550nm)

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	Value
Wavelength		nm	1310 or 1550
Bandwidth		nm	±40
Excess Loss		Typ. dB	0.07
Insertion Loss (23°C, All SOP)	50/50	Max dB	3.4
	40/60	Max dB	4.4/2.6
	30/70	Max dB	5.7/1.9
	20/80	Max dB	7.6/1.25
	10/90	Max dB	11.0/0.65
	5/95	Max dB	14.2/0.4
	2/98	Max dB	18.5/0.25
1/99	Max dB	21.5/0.2	
PDL		Max dB	0.1
Directivity		Min dB	55
Optical Power Handling		Max mW	300
Operating Temperature		°C	-40 to 85
Storage Temperature		°C	-40 to 85

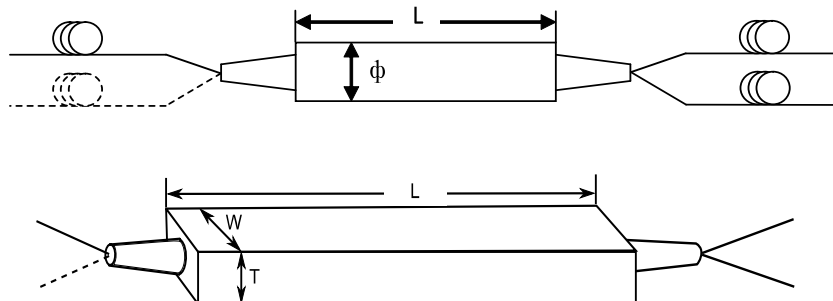
- * The above specifications are for parts without connectors. Adding connectors can affect the IL, & PDL.
- * SOP=State Of Polarization

Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber	900µm loose tube	900µm/3mm loose tube
Configuration		1x2 or 2x2		
Dimension	mm	Φ3.0 x L40 Φ3.0 x L54	φ3.0 x L54 φ3.0 x L56	L90 x W20 x T10

Package Diagram



Contact Ascentta for all your custom design needs.

SINGLE-MODE COUPLER: WIDE-BAND 1x2, 2x2
(1310, 1550nm)

Ordering Information

Contact Ascentta with your custom configuration needs.

CP	Type	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Cable Type	Fiber Length	Connector
CP	W=Wide-Band	13=1310	50=50/50	12=1x2	A40=φ3.0 x L40	S=SMF-28	B=250um	05=0.5m	NE=None
		15=1550	20=20/80	22=2x2	A54=φ3.0 x L54	X= Others	L=900um	10=1.0m	FA=FC/APC
		X: Others	10=10/90	X= Others	A56=φ3.0 x L56		W=2mm	15=1.5m	FC=FC/PC
			05=05/95		C10=L90xW20xT10		H=3mm	20=2.0m	SA=SC/APC
			02=02/98					30=3.0m	SC=SC/PC
			01=01/99						ST=ST/PC
			X=Others		X=Others			X=Others	LA=LC/APC
									LC=LC/PC
									X=Others

Contact Ascentta for all your custom design needs.

**SINGLE-MODE COUPLER: STANDARD
MONOLITIC 1x3, 3x3
(1310, or 1550nm)**

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	1x3	3x3
Wavelength		nm	1310, or 1550	
Bandwidth		nm	±15	
Excess Loss	Typ.	dB	0.1	0.1
Insertion Loss (23°C, All SOP)		Max dB	5.4	5.6
PDL		Max dB	0.2	0.25
Uniformity		Max dB	0.8	1.0
Directivity		Min dB	55	
Optical Power Handling		Max mW	300	
Operating Temperature		°C	-40 to 85	
Storage Temperature		°C	-40 to 85	

* The above specifications are for parts without connectors. Adding connectors can affect the IL, & PDL.
* SOP=State Of Polarization

Ordering Information

Contact Ascentta with your custom configuration needs.

CP	Type	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Cable Type	Fiber Length	Connector
CP	S=Standard	13=1310 15=1550 X: Others	33=33% X=Others	13=1x3 33=3x3 X= Others	Contact Ascentta with your packaging needs.	S=SMF-28 X= Others	B=250um L=900um W=2mm H=3mm	05=0.5m 10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others

Contact Ascentta for all your custom design needs.

**SINGLE-MODE COUPLER: STANDARD
MONOLITIC 1x4
(1310, or 1550nm)**

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	Value
Wavelength		nm	1310, or 1550
Bandwidth		nm	±15
Excess Loss	Typ.	dB	0.15
Insertion Loss (23°C, All SOP)	Max	dB	7.0
PDL	Max	dB	0.2
Uniformity	Max	dB	1.0
Directivity	Min	dB	55
Optical Power Handling	Max	mW	300
Operating Temperature		°C	-40 to 85
Storage Temperature		°C	-40 to 85

- * The above specifications are for parts without connectors. Adding connectors can affect the IL, & PDL.
- * SOP=State Of Polarization

Ordering Information

Contact Ascentta with your custom configuration needs.

CP	Type	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Cable Type	Fiber Length	Connector
CP	S=Standard	13=1310 15=1550 X: Others	25=25% X=Others	14=1x4 X= Others	Contact Ascentta with your packaging needs.	S=SMF-28 X= Others	B=250um L=900um W=2mm H=3mm	05=0.5m 10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others

Contact Ascentta for all your custom design needs.

**SINGLE-MODE SINGLE-WINDOW COUPLER: WIDE-BAND
TREE AND STAR MODULE
(1310, or 1550nm)**

Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	Type Nx4	Type Nx8	Type Nx16	Type Nx32
			N=1, 2	N=1,2	N=1, 2	N=1, 2
Wavelength		nm	1310 or 1550			
Bandwidth		nm	±40			
Excess Loss	Typ.	dB	0.25	0.4	0.55	0.7
Insertion Loss (23°C, All SOP)	Max	dB	6.9	10.4	13.8	17.4
PDL	Max	dB	0.25	0.35	0.45	0.55
Optical Power Handling	Max	mW	300			
Operating Temperature		°C	-20 ~ +70			
Storage Temperature		°C	-40 ~ +85			

* The above specifications are for parts without connectors. Adding connectors can affect the IL, & PDL.

* SOP=State Of Polarization

Ordering Information

Contact Ascentta with your custom configuration needs.

CP	Type	Wavelength	Coupler Ratio	Port	Package	Fiber Type	Cable Type	Fiber Length	Connector
CP	W=Wide-Band	13=1310 15=1550 X: Others	25=25% X=Others	14=1x4 24=2x4 18=1x8 28=2x8 X= Others	Contact Ascentta with your packaging needs.	S=SMF-28 X= Others	B=250um L=900um W=2mm H=3mm	05=0.5m 10=1.0m 15=1.5m 20=2.0m 30=3.0m X=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC ST=ST/PC LA=LC/APC LC=LC/PC X=Others

Contact Ascentta for all your custom design needs.