

MINI-SIZE SINGLE-MODE COUPLER (1310, 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	3.5
	40/60	Max dB	4.5/2.7
	30/70	Max dB	5.8/2.0
	20/80	Max dB	7.7/1.25
	10/90	Max dB	11.2/0.7
	5/95	Max dB	14.5/0.45
	2/98	Max dB	18.5/0.3
1/99	Max dB	21.5/0.25	
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.

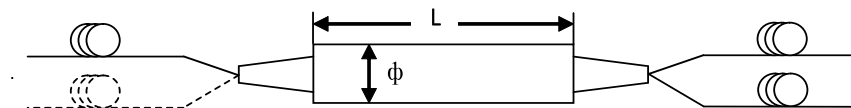
* SOP=State Of Polarization

Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber
Configuration		1x2 or 2x2
Dimension	mm	Φ2.4 x L25 (0.15 PDL)
		Φ2.4 x L30 (0.15 PDL)
		Φ3.0 x L30
		Φ3.0 x L35

Package Diagram



Contact Ascentta for all your custom design needs.

MINI-SIZE SINGLE-MODE COUPLER
(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	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	G25=Φ2.4 x L25 G30=Φ2.4 x L30 A30=Φ3.0 x L30 A35=Φ3.0 x L35 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.

MINI-SIZE SINGLE-MODE COUPLER: WIDE-BAND (1310, 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	3.6
	40/60	Max	dB	4.6/2.8
	30/70	Max	dB	5.9/2.1
	20/80	Max	dB	7.8/1.3
	10/90	Max	dB	11.2/0.75
	5/95	Max	dB	14.5/0.5
	2/98	Max	dB	18.5/0.35
	1/99	Max	dB	21.5/0.25
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.

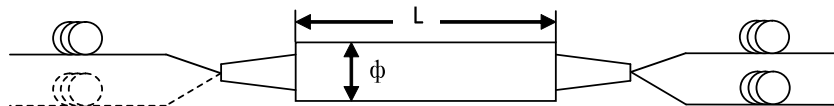
* SOP=State Of Polarization

Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber
Configuration		1x2 or 2x2
Dimension	mm	Φ2.4 x L25 (0.15 PDL) Φ2.4 x L30 (0.15 PDL) Φ3.0 x L30 Φ3.0 x L35

Package Diagram



Contact Ascentta for all your custom design needs.

MINI-SIZE SINGLE-MODE COUPLER: WIDE-BAND
(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	G25=Φ2.4 x L25	S=SMF-28	B=250um	05=0.5m	NE=None
		15=1550	20=20/80	22=2x2	G30=Φ2.4 x L30	X= Others	L=900um	10=1.0m	FA=FC/APC
		X: Others	10=10/90	X= Others	A30=Φ3.0 x L30		W=2mm	15=1.5m	FC=FC/PC
			05=05/95		A35=Φ3.0 x L35		H=3mm	20=2.0m	SA=SC/APC
			02=02/98					30=3.0m	SC=SC/PC
			01=01/99		X=Others			X=Others	ST=ST/PC
			X=Others						LA=LC/APC
									LC=LC/PC
									X=Others

Contact Ascentta for all your custom design needs.