

## FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER (980/1550, or 980/1590nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	980/1550, or 980/1590	
Operating Wavelength		nm	980 and 1550	980 and 1590
Operating Bandwidth		nm	±10/20	
Isolation	Min	dB	20	
Insertion Loss	Max	dB	0.15	
PDL	Max	dB	0.05	
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.

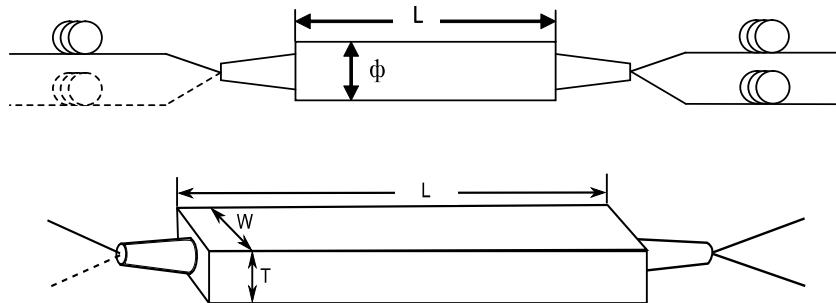
\* SOP=State Of Polarization

### Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber	900µm loose tube	900µm/2mm/3mm loose tube
Configuration		1x2 or 2x2		
Dimension	mm 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.

**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER**  
(980/1550, or 980/1590nm)

**Ordering Information**

Contact Ascentta with your custom configuration needs.

WDMC	Wavelength	Ports	Package	Fiber Type	Cable Type	Fiber Length	Connector
WDMC	95=980/1550	12=1x2	A40= $\Phi$ 3.0 x L40	S=SMF-28 fiber	B=250um	10= 1.0m	NE=None
	99=980/1590	22=2x2	A54= $\Phi$ 3.0 x L54	X=Others	L=900um	15=1.5m	FA=FC/APC
	X=Others		A56= $\phi$ 3.0 x L56		W=2mm	20=2.0m	FC=FC/PC
			C10=L90xW20xT10		H=3mm	X=Others	SA=SC/APC
			X=Others		X=Others		SC=SC/PC
							LC=LC/PC
							X=Others

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## FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER (1310/1550nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	1310/1550
Operating Wavelength		nm	1310 and 1550
Operating Bandwidth		nm	±15
Isolation	Min	dB	17
Insertion Loss	Max	dB	0.2
PDL	Max	dB	0.05
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.

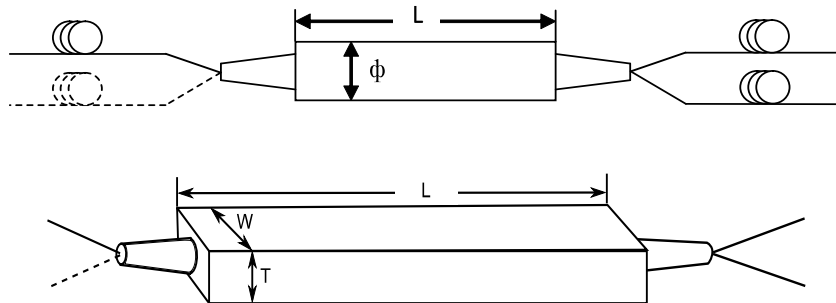
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### Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber	900µm loose tube	900µm/2mm/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



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**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER  
(1310/1550nm)**

**Ordering Information**

Contact Ascentta with your custom configuration needs.

WDMC	Wavelength	Ports	Package	Fiber Type	Cable Type	Fiber Length	Connector
WDMC	35=1310/1550	12=1x2 22=2x2	A40= Φ3.0 x L40 A54= Φ3.0 x L54 A56= φ3.0 x L56 C10=L90xW20xT10	S=SMF-28 fiber  X=Others	B=250um L=900um W=2mm H=3mm  X=Others	10= 1.0m 15=1.5m 20=2.0m  X=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC LC=LC/PC  X=Others
	X=Others		X=Others				

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## FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER (1480/1550, or 1480/1590nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	1480/1550	1480/1590
Operating Wavelength		nm	1480 and 1550	1480 and 1590
Operating Bandwidth		nm	±15	
Isolation	Min	dB	15	
Insertion Loss	Max	dB	0.30	
PDL	Max	dB	0.10	
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.

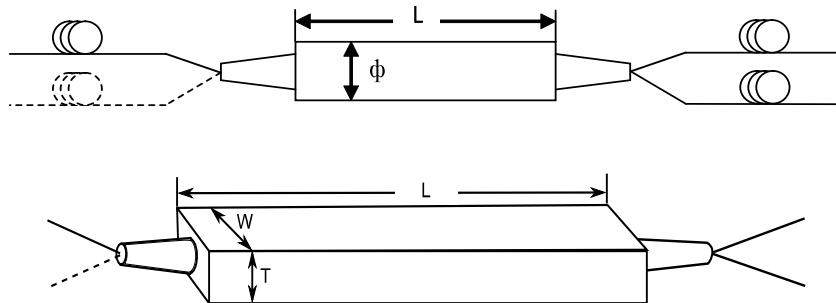
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### Packaging

Contact Ascentta with your custom configuration needs.

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

### Package Diagram



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**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER**  
 (1480/1550, or 1480/1590nm)

**Ordering Information**

Contact Ascentta with your custom configuration needs.

WDMC	Wavelength	Ports	Package	Fiber Type	Cable Type	Fiber Length	Connector
WDMC	45=1480/1550	12=1x2	A40= $\phi$ 3.0 x L40	S=SMF-28 fiber	B=250um	10= 1.0m	NE=None
	49=1480/1590	22=2x2	A54= $\phi$ 3.0 x L54	X=Others	L=900um	15=1.5m	FA=FC/APC
	X=Others		A56= $\phi$ 3.0 x L56		W=2mm	20=2.0m	FC=FC/PC
			C10=L90xW20xT10		H=3mm	X=Others	SA=SC/APC
			X=Others		X=Others		SC=SC/PC
							LC=LC/PC
							X=Others

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## FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER (980/1064, 980/1053nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	980/1064, or 980/1053
Operating Wavelength		nm	(980 and 1064), or (980 and 1053)
Operating Bandwidth		nm	±5
Isolation	Min	dB	15
Insertion Loss	Max	dB	0.3
PDL	Max	dB	0.10
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.

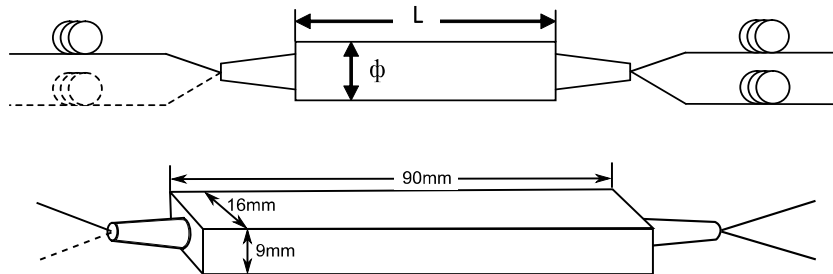
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### Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber	900µm loose tube	900µm/2mm/3mm loose tube
Configuration		1x2 or 2x2		
Dimension	mm 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.

**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER**  
(980/1064, 980/1053nm)

**Ordering Information**

Contact Ascentta with your custom configuration needs.

WDMC	Wavelength	Ports	Package	Fiber Type	Cable Type	Fiber Length	Connector
WDMC	90=980/1064 980/1053=	12=1x2 22=2x2	A40= $\phi$ 3.0 x L40 A54= $\phi$ 3.0 x L54 A56= $\phi$ 3.0 x L56 C10=L90 x W20 x T10	H1=Hi 1060 F1=Flexcore 1060 X=Others	B=250um L=900um W=2mm H=3mm X=Others	10= 1.0m 15=1.5m 20=2.0m X=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC LC=LC/PC X=Others
	X=Others		X=Others				

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## FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER (1064/1550nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	1064/1550
Operating Wavelength		nm	1060 and 1550
Operating Bandwidth		nm	1060±10, 1550±20
Isolation	Min	dB	20
Insertion Loss	Max	dB	0.25
PDL	Max	dB	0.05
Directivity	Min	dB	55
Optical Power Handling	Max	mW	300
Operating Temperature		°C	-20 to 70
Storage Temperature		°C	-40 to 85

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

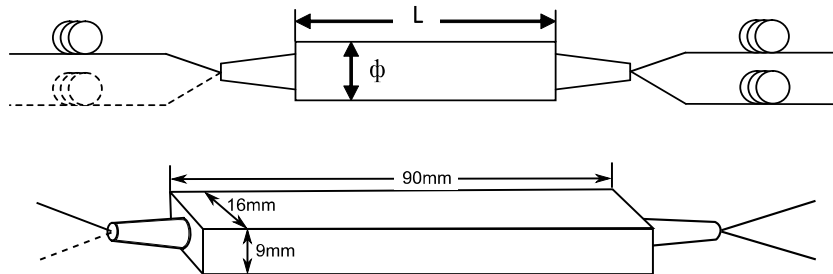
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### Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber	900µm loose tube	900µm/2mm/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



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**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER  
(1064/1550nm)**

**Ordering Information**

Contact Ascentta with your custom configuration needs.

WDMC	Wavelength	Ports	Package	Fiber Type	Cable Type	Fiber Length	Connector
WDMC	05=1064/1550	12=1x2 22=2x2	A40= $\phi$ 3.0 x L40 A54= $\phi$ 3.0 x L54 A56= $\phi$ 3.0 x L56 C10=L90 x W20 x T10	H1=Hi 1060 F1=Flexcore 1060	B=250um L=900um W=2mm H=3mm	10= 1.0m 15=1.5m 20=2.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC LC=LC/PC
	X=Others		X=Others	X=Others	X=Others	X=Others	X=Others

Contact Ascentta for all your custom design needs.

## FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER: MIXED FIBER (980/1550nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	980/1550
Operating Wavelength		nm	980 and 1550
Operating Bandwidth		nm	±15
Isolation	Min	dB	20
Insertion Loss	Max	dB	0.25
PDL	Max	dB	0.05
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.

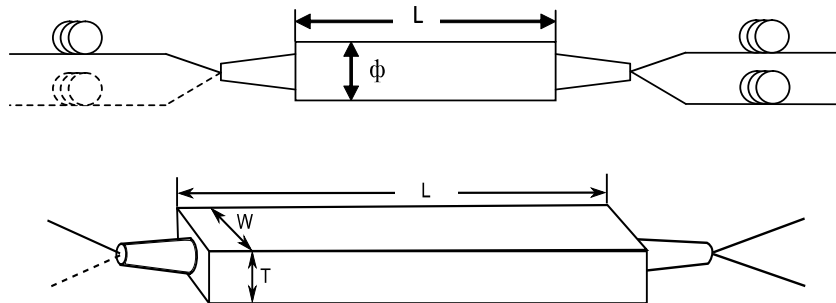
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### Packaging

Contact Ascentta with your custom configuration needs.

Parameter		250µm bare fiber	900µm loose tube	900µm/2mm/3mm loose tube
Configuration		1x2 or 2x2		
Fiber Type	Common & Pump Port	-	Corning HI 1060, Corning 1060 Flexcore	
	Signal Port	-	Corning SMF-28	
Dimension	mm	Φ3.0 x L40	Φ3.0 x L54	L90 x W20 x T10
	mm	Φ3.0 x L54	Φ3.0 x L56	

### Package Diagram



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**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER: MIXED FIBER  
(980/1550nm)**

**Ordering Information**

Contact Ascentta with your custom configuration needs.

WDMC	Wavelength	Ports	Package	Fiber Type	Cable Type	Fiber Length	Connector
WDMC	95=980/1550	12=1x2 22=2x2	A40= Φ3.0 x L40 A54= Φ3.0 x L54 A56= φ3.0 x L56 C10=L90 × W20 × T10	S=SMF-28 fiber H1=Hi 1060 F1=Flexcore 1060	B=250um L=900um W=2mm H=3mm	10= 1.0m 15=1.5m 20=2.0m	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC LC=LC/PC
	X=Others		X=Others	X=Others	X=Others	X=Others	X=Others

Contact Ascentta for all your custom design needs.

## FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER: HIGH ISOLATION (1310/1550nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	1310/1550
Operating Wavelength		nm	1310 and 1550
Operating Bandwidth		nm	±15
Isolation	Min	dB	32
Insertion Loss	Max	dB	0.4
PDL	Max	dB	0.10
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.

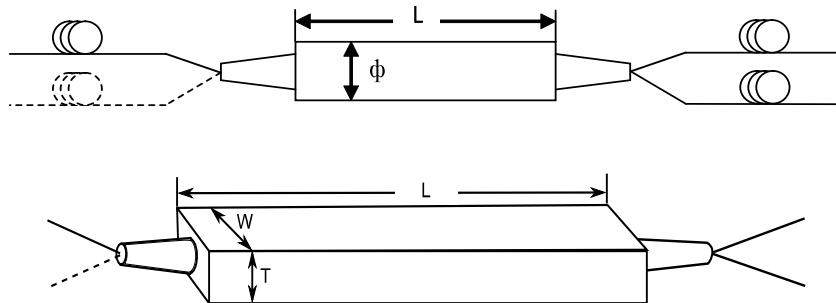
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### Packaging

Contact Ascentta with your custom configuration needs.

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

### Package Diagram



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**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER: HIGH ISOLATION  
(1310/1550nm)**

**Ordering Information**

Contact Ascentta with your custom configuration needs.

WDMC	Wavelength	Ports	Package	Fiber Type	Cable Type	Fiber Length	Connector
WDMC	35=1310/1550 X=Others	12=1x2 22=2x2	A40= $\Phi$ 3.0 x L40 A54= $\Phi$ 3.0 x L54 A56= $\phi$ 3.0 x L56 C10=L90 x W20 x T10 X=Others	S=SMF-28 fiber X=Others	B=250um L=900um W=2mm H=3mm X=Others	10= 1.0m 15=1.5m 20=2.0m X=Others	NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC LC=LC/PC X=Others

Contact Ascentta for all your custom design needs.

## FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER: MINI-SIZE (980/1550, 980/1590, or 1310/1550nm)

### Specifications

Contact Ascentta with your custom specification needs.

Parameter		Unit	980/1550 or 980/1590	1310/1550
Operating Wavelength		nm	(980 and 1550) or (980 and 1590)	1310 and 1550
Operating Bandwidth		nm	±10/20	±15
Isolation	Min	dB	20	17
Insertion Loss	Max	dB	0.25	0.25
PDL	Max	dB	0.10	
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.

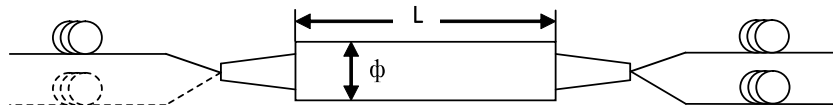
\* SOP=State Of Polarization

### Packaging

Contact Ascentta with your custom configuration needs.

Parameter		980/1550 or 980/1590	1310/1550
Configuration		1x2 or 2x2	
Cable		250µm bare fiber	
Fiber		Corning HI 1060, or Corning 1060 Flexcore	SMF-28e
Dimension	mm	$\Phi$ 2.4 x L30 (0.15 PDL) $\Phi$ 3.0 x L30 $\Phi$ 3.0 x L35	

### Package Diagram



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**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER: MINI-SIZE**  
 (980/1550, 980/1590, or 1310/1550nm)

**Ordering Information**

Contact Ascentta with your custom configuration needs.

WDMC	Wavelength	Ports	Package	Fiber Type	Cable Type	Fiber Length	Connector
WDMC	35=1310/1550	12=1x2	G30=Φ2.4 x L30	S=SMF-28 fiber	B=250um	10= 1.0m	NE=None
	95=980/1550	22=2x2	A30=Φ3.0 x L30	H1=Hi 1060	X=Others	15=1.5m	FA=FC/APC
	99=980/1590		A35=Φ3.0 x L35	F1=Flexcore 1060		20=2.0m	FC=FC/PC
	X=Others		X=Others	X=Others		X=Others	SA=SC/APC SC=SC/PC LC=LC/PC X=Others

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