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

Specifications
Contact Ascentta with your custom specification needs.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>980/1550, or 980/1590</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Wavelength</td>
<td>nm</td>
<td>980 and 1550</td>
</tr>
<tr>
<td>Operating Bandwidth</td>
<td>nm</td>
<td>±10/20</td>
</tr>
<tr>
<td>Isolation</td>
<td>Min  dB</td>
<td>20</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>Max  dB</td>
<td>0.15</td>
</tr>
<tr>
<td>PDL</td>
<td>Max  dB</td>
<td>0.05</td>
</tr>
<tr>
<td>Directivity</td>
<td>Min  dB</td>
<td>55</td>
</tr>
<tr>
<td>Optical Power Handling</td>
<td>Max  mW</td>
<td>300</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
</tbody>
</table>

* 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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>250μm bare fiber</th>
<th>900μm loose tube</th>
<th>900μm/2mm/3mm loose tube</th>
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</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>1x2 or 2x2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimension</td>
<td>mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>mm</td>
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<td>mm</td>
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Package Diagram

Contact Ascentta for all your custom design needs.
**Ordering Information**

Contact Ascentta with your custom configuration needs.

<table>
<thead>
<tr>
<th>WDMC</th>
<th>Wavelength</th>
<th>Ports</th>
<th>Package</th>
<th>Fiber Type</th>
<th>Cable Type</th>
<th>Fiber Length</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>95=980/1550</td>
<td>99=980/1590</td>
<td>12=1x2</td>
<td>A40= Φ3.0 x L40</td>
<td>S=SMF-28 fiber</td>
<td>10=1.0m</td>
<td>NE=None</td>
<td></td>
</tr>
<tr>
<td>X=Others</td>
<td></td>
<td>22=2x2</td>
<td>A54= Φ3.0 x L54</td>
<td>X=Others</td>
<td>15=1.5m</td>
<td>FA=FC/APC</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A56= Φ3.0 x L56</td>
<td></td>
<td>20=2.0m</td>
<td>FC=FC/PC</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C10=L90xW20xT10</td>
<td></td>
<td></td>
<td>SA=SC/APC</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>X=Others</td>
<td></td>
<td></td>
<td>SC=SC/PC</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>X=Others</td>
<td></td>
<td></td>
<td>LC=LC/PC</td>
<td></td>
</tr>
<tr>
<td>10=1.0m</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>X=Others</td>
</tr>
</tbody>
</table>

Contact Ascentta for all your custom design needs.

Email: Sales@Ascentta.com  
www.Ascentta.com  
Tel: 732-868-1766  
VBI  
370 Campus Dr. Suite 105, Somerset, NJ 08873  
Fax: 732-868-1769
**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER**  
(1310/1550nm)

**Specifications**
Contact Ascentta with your custom specification needs.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>1310/1550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Wavelength</td>
<td>nm</td>
<td>1310 and 1550</td>
</tr>
<tr>
<td>Operating Bandwidth</td>
<td>nm</td>
<td>±15</td>
</tr>
<tr>
<td>Isolation</td>
<td>Min dB</td>
<td>17</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>Max dB</td>
<td>0.2</td>
</tr>
<tr>
<td>PDL</td>
<td>Max dB</td>
<td>0.05</td>
</tr>
<tr>
<td>Directivity</td>
<td>Min dB</td>
<td>55</td>
</tr>
<tr>
<td>Optical Power Handling</td>
<td>Max mW</td>
<td>300</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
</tbody>
</table>

* 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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>250μm bare fiber</th>
<th>900μm loose tube</th>
<th>900μm/2mm/3mm loose tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>1x2 or 2x2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimension</td>
<td>mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Ф3.0 x L40</td>
<td>Ф3.0 x L54</td>
<td>L90 x W20 x T10</td>
</tr>
<tr>
<td></td>
<td>Ф3.0 x L54</td>
<td>Ф3.0 x L56</td>
<td></td>
</tr>
</tbody>
</table>

**Package Diagram**

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# FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER

## (1310/1550nm)

### Ordering Information

Contact Ascentta with your custom configuration needs.

<table>
<thead>
<tr>
<th>WDMC</th>
<th>Wavelength</th>
<th>Ports</th>
<th>Package</th>
<th>Fiber Type</th>
<th>Cable Type</th>
<th>Fiber Length</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>35=1310/1550</td>
<td>X=Others</td>
<td>12=1x2 22=2x2</td>
<td>A40= Ø3.0 x L40 A54= Ø3.0 x L54 A56= Ø3.0 x L56 C10= L90xW20xT10</td>
<td>S=SMF-28 fiber X=Others</td>
<td>B=250um L=900um W=2mm H=3mm X=Others</td>
<td>10= 1.0m 15=1.5m 20=2.0m X=Others</td>
<td>NE=None FA=FC/APC FC=FC/PC SA=SC/APC SC=SC/PC LC=LC/PC X=Others</td>
</tr>
</tbody>
</table>
**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER**

(1480/1550, or 1480/1590nm)

**Specifications**

Contact Ascentta with your custom specification needs.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>1480/1550</th>
<th>1480/1590</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Wavelength</td>
<td>nm</td>
<td>1480 and 1550</td>
<td>1480 and 1590</td>
</tr>
<tr>
<td>Operating Bandwidth</td>
<td>nm</td>
<td>±15</td>
<td></td>
</tr>
<tr>
<td>Isolation</td>
<td>Min  dB</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>Max  dB</td>
<td>0.30</td>
<td></td>
</tr>
<tr>
<td>PDL</td>
<td>Max  dB</td>
<td>0.10</td>
<td></td>
</tr>
<tr>
<td>Directivity</td>
<td>Min  dB</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>Optical Power Handling</td>
<td>Max  mW</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
<td></td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
<td></td>
</tr>
</tbody>
</table>

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**Packaging**

Contact Ascentta with your custom configuration needs.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>250μm bare fiber</th>
<th>900μm loose tube</th>
<th>900μm/2mm/3mm loose tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>1x2 or 2x2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimension</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td></td>
<td>φ3.0 x L40</td>
<td>φ3.0 x L54</td>
<td>φ3.0 x L56</td>
</tr>
<tr>
<td></td>
<td>L90 x W20 x T10</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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.

<table>
<thead>
<tr>
<th>WDMC</th>
<th>Wavelength</th>
<th>Ports</th>
<th>Package</th>
<th>Fiber Type</th>
<th>Cable Type</th>
<th>Fiber Length</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>45</td>
<td>1480/1550</td>
<td>12x2</td>
<td>A40= 30 x 140&lt;br&gt;A54= 30 x 154&lt;br&gt;A56= 30 x 156&lt;br&gt;C10=L90xW20xT10&lt;br&gt;X=Others</td>
<td>S=SMF-28 fiber&lt;br&gt;X=Others</td>
<td>B=250um&lt;br&gt;L=900um&lt;br&gt;W=2mm&lt;br&gt;H=3mm&lt;br&gt;X=Others</td>
<td>10=1.0m&lt;br&gt;15=1.5m&lt;br&gt;20=2.0m</td>
<td>NE=None&lt;br&gt;FA=FC/APC&lt;br&gt;FC=FC/PC&lt;br&gt;SA=SC/APC&lt;br&gt;SC=SC/PC&lt;br&gt;LC=LC/PC&lt;br&gt;X=Others</td>
</tr>
</tbody>
</table>
FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER
(980/1064, 980/1053nm)

**Specifications**
Contact Ascentta with your custom specification needs.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>980/1064, or 980/1053</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Wavelength</td>
<td>nm</td>
<td>(980 and 1064), or (980 and 1053)</td>
</tr>
<tr>
<td>Operating Bandwidth</td>
<td>nm</td>
<td>±5</td>
</tr>
<tr>
<td>Isolation</td>
<td>Min dB</td>
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</tr>
<tr>
<td>Insertion Loss</td>
<td>Max dB</td>
<td>0.3</td>
</tr>
<tr>
<td>PDL</td>
<td>Max dB</td>
<td>0.10</td>
</tr>
<tr>
<td>Directivity</td>
<td>Min dB</td>
<td>55</td>
</tr>
<tr>
<td>Optical Power Handling</td>
<td>Max mW</td>
<td>300</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
</tbody>
</table>

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**Packaging**
Contact Ascentta with your custom configuration needs.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>250μm bare fiber</th>
<th>900μm loose tube</th>
<th>900μm/2mm/3mm loose tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td></td>
<td>1x2 or 2x2</td>
<td></td>
</tr>
<tr>
<td>Dimension</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td></td>
<td>φ3.0 x L40</td>
<td>φ3.0 x L54</td>
<td>L90 x W20 x T10</td>
</tr>
<tr>
<td></td>
<td>Φ3.0 x L54</td>
<td>φ3.0 x L56</td>
<td></td>
</tr>
</tbody>
</table>

**Package Diagram**

Contact Ascentta for all your custom design needs.
**Ordering Information**

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<table>
<thead>
<tr>
<th>WDMC</th>
<th>Wavelength</th>
<th>Ports</th>
<th>Package</th>
<th>Fiber Type</th>
<th>Cable Type</th>
<th>Fiber Length</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>90=980/1064 980/1053= 980/1053</td>
<td>12=1x2 22=2x2</td>
<td>A40= d3.0 x L40 A54= d3.0 x L54 A56= d3.0 x L56 C10=L90 x W20 x T10</td>
<td>X=Others</td>
<td>H1=Hi 1060 F1=Flexcore 1060</td>
<td>X=Others</td>
<td>B=250um L=900um W=2mm H=3mm X=Others</td>
</tr>
</tbody>
</table>

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www.Ascentta.com  
Tel: 732-868-1766  
Fax: 732-868-1769

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370 Campus Dr. Suite 105, Somerset, NJ 08873  
V.B1 370 Campus Dr. Suite 105, Somerset, NJ 08873
FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER  
(1064/1550nm)

Specifications
Contact Ascentta with your custom specification needs.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>1064/1550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Wavelength</td>
<td>nm</td>
<td>1060 and 1550</td>
</tr>
<tr>
<td>Operating Bandwidth</td>
<td>nm</td>
<td>1060±10, 1550±20</td>
</tr>
<tr>
<td>Isolation</td>
<td>Min dB</td>
<td>20</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>Max dB</td>
<td>0.25</td>
</tr>
<tr>
<td>PDL</td>
<td>Max dB</td>
<td>0.05</td>
</tr>
<tr>
<td>Directivity</td>
<td>Min dB</td>
<td>55</td>
</tr>
<tr>
<td>Optical Power Handling</td>
<td>Max mW</td>
<td>300</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>ºC</td>
<td>-20 to 70</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
</tbody>
</table>

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Packaging
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<table>
<thead>
<tr>
<th>Parameter</th>
<th>250μm bare fiber</th>
<th>900μm loose tube</th>
<th>900μm/2mm/3mm loose tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>1x2 or 2x2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimension</td>
<td>mm</td>
<td>phi 3.0 x L40</td>
<td>phi 3.0 x L54</td>
</tr>
<tr>
<td></td>
<td></td>
<td>phi 3.0 x L54</td>
<td>phi 3.0 x L56</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>L90 x W20 x T10</td>
</tr>
</tbody>
</table>

Package Diagram

Contact Ascentta for all your custom design needs.

Email: Sales@Ascentta.com
VB1 370 Campus Dr. Suite 105, Somerset, NJ 08873
Tel: 732-868-1766
Fax: 732-868-1769
### Ordering Information
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<table>
<thead>
<tr>
<th>WDMC</th>
<th>Wavelength</th>
<th>Ports</th>
<th>Package</th>
<th>Fiber Type</th>
<th>Cable Type</th>
<th>Fiber Length</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>WDMC</td>
<td>05=1064/1550 X=Others</td>
<td>12=1x2 22=2x2 A40= ø3.0 x L40 A5= ø3.0 x L54 A56= ø3.0 x L56 C10=L90 x W20 x T10 X=Others</td>
<td>H1=Hi 1060 F1=Flexcore 1060 X=Others</td>
<td>B=250um L=900um W=2mm H=3mm L=100mm 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</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER: MIXED FIBER
(980/1550nm)

Specifications
Contact Ascentta with your custom specification needs.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>980/1550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Wavelength</td>
<td>nm</td>
<td>980 and 1550</td>
</tr>
<tr>
<td>Operating Bandwidth</td>
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<tr>
<td>Isolation</td>
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</tr>
<tr>
<td>Insertion Loss</td>
<td>Max dB</td>
<td>0.25</td>
</tr>
<tr>
<td>PDL</td>
<td>Max dB</td>
<td>0.05</td>
</tr>
<tr>
<td>Directivity</td>
<td>Min dB</td>
<td>55</td>
</tr>
<tr>
<td>Optical Power Handling</td>
<td>Max mW</td>
<td>300</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
</tbody>
</table>

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Packaging
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<table>
<thead>
<tr>
<th>Parameter</th>
<th>250µm bare fiber</th>
<th>900µm loose tube</th>
<th>900µm/2mm/3mm loose tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>1x2 or 2x2</td>
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<td></td>
</tr>
<tr>
<td>Fiber Type</td>
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<td>Corning HI 1060, Corning 1060 Flexcore</td>
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</tr>
<tr>
<td>Signal Port</td>
<td>-</td>
<td></td>
<td>Corning SMF-28</td>
</tr>
<tr>
<td>Dimension</td>
<td>mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Φ3.0 x L40</td>
<td>Φ3.0 x L54</td>
<td>L90 x W20 x T10</td>
</tr>
<tr>
<td></td>
<td>Φ3.0 x L54</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Package Diagram

Contact Ascentta for all your custom design needs.
**Ordering Information**

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<table>
<thead>
<tr>
<th>WDMC</th>
<th>Wavelength</th>
<th>Ports</th>
<th>Package</th>
<th>Fiber Type</th>
<th>Cable Type</th>
<th>Fiber Length</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>95=980/1550</td>
<td>12=1x2</td>
<td>A40= Ø3.0 x L40</td>
<td>S=SMF-28 fiber</td>
<td>B=250um</td>
<td>10= 1.0m</td>
<td>NE=None</td>
</tr>
<tr>
<td></td>
<td>X=Others</td>
<td>22=2x2</td>
<td>A54= Ø3.0 x L54</td>
<td>H=Hi 1060</td>
<td>L=900um</td>
<td>15=1.5m</td>
<td>FA=FC/PC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>A56= Ø3.0 x L56</td>
<td>F1=Flexcore 1060</td>
<td>W=2mm</td>
<td>20=2.0m</td>
<td>FC=FC/PC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>C10=1.90 x W20 x T10</td>
<td>X=Others</td>
<td>H=3mm</td>
<td>X=Others</td>
<td>SA=SC/PC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>X=Others</td>
<td>X=Others</td>
<td>X=Others</td>
<td>X=Others</td>
<td>SC=SC/PC</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>LC=LC/PC</td>
</tr>
</tbody>
</table>
FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER: HIGH ISOLATION
(1310/1550nm)

Specifications
Contact Ascentta with your custom specification needs.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>1310/1550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Wavelength</td>
<td>nm</td>
<td>1310 and 1550</td>
</tr>
<tr>
<td>Operating Bandwidth</td>
<td>nm</td>
<td>±15</td>
</tr>
<tr>
<td>Isolation</td>
<td>Min dB</td>
<td>32</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>Max dB</td>
<td>0.4</td>
</tr>
<tr>
<td>PDL</td>
<td>Max dB</td>
<td>0.10</td>
</tr>
<tr>
<td>Directivity</td>
<td>Min dB</td>
<td>55</td>
</tr>
<tr>
<td>Optical Power Handling</td>
<td>Max mW</td>
<td>300</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
</tr>
</tbody>
</table>

* 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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>250μm bare fiber</th>
<th>900μm loose tube</th>
<th>900μm/2mm/3mm loose tube</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>1x2 or 2x2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimension</td>
<td>mm</td>
<td>mm</td>
<td>mm</td>
</tr>
<tr>
<td></td>
<td>Φ3.0 x L40</td>
<td>Φ3.0 x L54</td>
<td>L90 x W20 x T10</td>
</tr>
<tr>
<td></td>
<td>Φ3.0 x L54</td>
<td>Φ3.0 x L56</td>
<td></td>
</tr>
</tbody>
</table>

Package Diagram

Contact Ascentta for all your custom design needs.
**FUSED (WDM) WAVELENGTH DIVISION MULTIPLEXER: HIGH ISOLATION**
(1310/1550nm)

**Ordering Information**
Contact Ascentta with your custom configuration needs.

<table>
<thead>
<tr>
<th>WDMC</th>
<th>Wavelength</th>
<th>Ports</th>
<th>Package</th>
<th>Fiber Type</th>
<th>Cable Type</th>
<th>Fiber Length</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>35=1310/1550</td>
<td>X=Others</td>
<td>12=1x2, 22=2x2</td>
<td>A40= Ф3.0 x L40, A54= Ф3.0 x L54, A56= Ф3.0 x L56, C10=L90 × W20 × T10</td>
<td>S=SMF-28 fiber, X=Others</td>
<td>B=250um, L=900um, W=2mm, H=3mm, X=Others</td>
<td>10= 1.0m, 15=1.5m, 20=2.0m, X=Others</td>
<td>NE=None, FA=FC/APC, FC=FC/PC, SA=SC/APC, SC=SC/PC, LC=LC/PC</td>
</tr>
<tr>
<td>X=Others</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Unit</th>
<th>980/1550 or 1590</th>
<th>1310/1550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Wavelength</td>
<td>nm</td>
<td>(980 and 1550) or (980 and 1590)</td>
<td>1310 and 1550</td>
</tr>
<tr>
<td>Operating Bandwidth</td>
<td>nm</td>
<td>±10/20</td>
<td>±15</td>
</tr>
<tr>
<td>Isolation</td>
<td>Min  dB</td>
<td>20</td>
<td>17</td>
</tr>
<tr>
<td>Insertion Loss</td>
<td>Max  dB</td>
<td>0.25</td>
<td>0.25</td>
</tr>
<tr>
<td>PDL</td>
<td>Max  dB</td>
<td>0.10</td>
<td></td>
</tr>
<tr>
<td>Directivity</td>
<td>Min  dB</td>
<td>55</td>
<td></td>
</tr>
<tr>
<td>Optical Power Handling</td>
<td>Max  mW</td>
<td>300</td>
<td></td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
<td></td>
</tr>
<tr>
<td>Storage Temperature</td>
<td>ºC</td>
<td>-40 to 85</td>
<td></td>
</tr>
</tbody>
</table>

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* SOP=State Of Polarization

**Packaging**
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<table>
<thead>
<tr>
<th>Parameter</th>
<th>980/1550 or 1590</th>
<th>1310/1550</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>1x2 or 2x2</td>
<td></td>
</tr>
<tr>
<td>Cable</td>
<td>250μm bare fiber</td>
<td></td>
</tr>
<tr>
<td>Fiber</td>
<td>Corning HI 1060, or Corning 1060 Flexcore</td>
<td>SMF-28e</td>
</tr>
<tr>
<td>Dimension</td>
<td>mm</td>
<td>Φ2.4 x L30 (0.15 PDL)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Φ3.0 x L30</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Φ3.0 x L35</td>
</tr>
</tbody>
</table>

**Package Diagram**

Contact Ascentta for all your custom design needs.

Email: Sales@Ascentta.com  
Website: www.Ascentta.com  
Tel: 732-868-1766  
Fax: 732-868-1769  
370 Campus Dr. Suite 105, Somerset, NJ 08873
**Ordering Information**

Contact Ascentta with your custom configuration needs.

<table>
<thead>
<tr>
<th>WDMC</th>
<th>Wavelength</th>
<th>Ports</th>
<th>Package</th>
<th>Fiber Type</th>
<th>Cable Type</th>
<th>Fiber Length</th>
<th>Connector</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>1310/1550</td>
<td>12x1</td>
<td>G30</td>
<td>SMF-28 fiber</td>
<td>B=250um</td>
<td>10=1.0m</td>
<td>X=Others</td>
</tr>
<tr>
<td>95</td>
<td>980/1550</td>
<td>22x2</td>
<td>A30</td>
<td>Hi 1060</td>
<td>X=Others</td>
<td>15=1.5m</td>
<td>X=Others</td>
</tr>
<tr>
<td>99</td>
<td>980/1590</td>
<td></td>
<td>A35</td>
<td>Flexcore 1060</td>
<td>F=1060</td>
<td>20=2.0m</td>
<td>X=Others</td>
</tr>
<tr>
<td>X</td>
<td>Others</td>
<td></td>
<td>X</td>
<td>Others</td>
<td>X=Others</td>
<td>X=Others</td>
<td>X=Others</td>
</tr>
</tbody>
</table>