Free-Space Optical Isolator and Faraday Rotator Product Line

Product Description
Our free-space optical isolator (Faraday isolator) and Faraday rotator selection includes a wide range of wavelengths, with typical isolation as high as 40 dB for single stage, and 75 dB for dual stage units. Various models can be purchased with fixed-wavelength, or with user-friendly tunability. We also offer a broadband optical isolator selection for applications such as Ti: sapphire lasers where instantaneous broadband operation is required. Most of our optical isolators are available with a choice of low, medium or high power capability.

Jump To Wavelength
Select a category...

Features
• Superior Performance and Reliability
• High Isolation / Low Insertion Loss
• Low, Medium and High Power Options
• High Power Models with Exit Ports for Return Signal Monitoring or Beam Injection
• User Tunable or Fixed Wavelength
• Wide Tuning Range
• Broadband Optical Isolator Models

Applications
• Preservation of Laser Signal Integrity
• Test & Measurement Equipment
• Lasers and Amplifiers
• Metrology or Quality Control

Individual Optical Isolator and Faraday Rotator Spec Sheets
• 390-450nm
• 500-600nm
• 600-700nm
• 700-900nm
• 900-1000nm
• 1000-1100nm
• 1100-2100nm

PDF of this product overview

### Optical Isolators for 390-450nm

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Clear Aperture</th>
<th>Isolation Min/Typ</th>
<th>Ins Loss Typ/Max</th>
<th>Transmission Min/Typ</th>
<th>Diameter inch/mm</th>
<th>Length inch/mm</th>
<th>Power Handling W/cm²</th>
<th>Tunable Yes/No</th>
<th>Broadband Yes/No</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-40-2-FR</td>
<td>2</td>
<td>30/35</td>
<td>0.5</td>
<td>89</td>
<td>1.0/25.4</td>
<td>1.0/25.4</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-40-2M</td>
<td>2</td>
<td>35/40</td>
<td>0.6/0.8</td>
<td>83/86</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-40-2H</td>
<td>2</td>
<td>35/40</td>
<td>0.6/0.8</td>
<td>83/86</td>
<td>1.0/25.4</td>
<td>4.13/105</td>
<td>250</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-40-5-FR</td>
<td>5</td>
<td>30/35</td>
<td>0.5</td>
<td>89</td>
<td>1.375/34.9</td>
<td>3.07/78</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-40T-5M</td>
<td>5</td>
<td>35/40</td>
<td>0.6/0.8</td>
<td>83/86</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-40T-5H</td>
<td>5</td>
<td>35/40</td>
<td>0.6/0.8</td>
<td>83/86</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-40SD-5M</td>
<td>5</td>
<td>53/55</td>
<td>1.5/2.0</td>
<td>63/79</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>
### Optical Isolators for 500-600nm

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Clear Aperture</th>
<th>Isolation Min/Typ</th>
<th>Ins Loss Typ/Max</th>
<th>Transmission Min/Typ</th>
<th>Diameter</th>
<th>Length</th>
<th>Power Handling</th>
<th>Tunable</th>
<th>Broadband</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>dB</td>
<td>dB</td>
<td>%</td>
<td>inch/mm</td>
<td>inch/mm</td>
<td>W/cm²</td>
<td>Yes/No</td>
<td>Yes/No</td>
</tr>
<tr>
<td>I-56-2-FR</td>
<td>2</td>
<td>30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.0/25.4</td>
<td>1.0/25.4</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-56-2L</td>
<td>2</td>
<td>38/40</td>
<td>3</td>
<td>50</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>10</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-56-2M</td>
<td>2</td>
<td>38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-56-2H</td>
<td>2</td>
<td>38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.0/25.4</td>
<td>4.13/105</td>
<td>250</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-5060C-2L</td>
<td>2</td>
<td>35/38</td>
<td>3</td>
<td>50</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>10</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-5060C-2M</td>
<td>2</td>
<td>35/38</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-5060C-2H</td>
<td>2</td>
<td>35/38</td>
<td>3</td>
<td>50</td>
<td>1.0/25.4</td>
<td>4.13/105</td>
<td>250</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-56-5-FR</td>
<td>5</td>
<td>30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.375/34.9</td>
<td>3.07/78</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-56T-5L</td>
<td>5</td>
<td>38/40</td>
<td>3</td>
<td>50</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>10</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-56T-5M</td>
<td>5</td>
<td>38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-56T-5H</td>
<td>5</td>
<td>38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-5060C-L</td>
<td>5</td>
<td>38/40</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-5060C-M</td>
<td>5</td>
<td>38/40</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-5060C-H</td>
<td>5</td>
<td>38/40</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-56-SD-L</td>
<td>5</td>
<td>55/60</td>
<td>1.0/1.5</td>
<td>70/79</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-56-SD-M</td>
<td>5</td>
<td>55/60</td>
<td>1.0/1.5</td>
<td>70/79</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>

### Optical Isolators for 600-700nm

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Clear Aperture</th>
<th>Isolation Min/Typ</th>
<th>Ins Loss Typ/Max</th>
<th>Transmission Min/Typ</th>
<th>Diameter</th>
<th>Length</th>
<th>Power Handling</th>
<th>Tunable</th>
<th>Broadband</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>dB</td>
<td>dB</td>
<td>%</td>
<td>inch/mm</td>
<td>inch/mm</td>
<td>W/cm²</td>
<td>Yes/No</td>
<td>Yes/No</td>
</tr>
<tr>
<td>I-633-2-FR</td>
<td>2</td>
<td>30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.0/25.4</td>
<td>1.0/25.4</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-633-2L</td>
<td>2</td>
<td>38/40</td>
<td>1.4/1.6</td>
<td>69/72</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>10</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-633-2M</td>
<td>2</td>
<td>38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-633-2H</td>
<td>2</td>
<td>38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.0/25.4</td>
<td>4.13/105</td>
<td>250</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-6070C-2L</td>
<td>2</td>
<td>35/38</td>
<td>1.4/1.6</td>
<td>69/72</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>10</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-6070C-2M</td>
<td>2</td>
<td>35/38</td>
<td>0.5/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-6070C-2H</td>
<td>2</td>
<td>35/38</td>
<td>0.5/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-633-5-FR</td>
<td>5</td>
<td>30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.375/34.9</td>
<td>3.07/78</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-67T-5L</td>
<td>5</td>
<td>38/40</td>
<td>1.4/1.6</td>
<td>69/72</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>10</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-67T-5M</td>
<td>5</td>
<td>38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-67T-5H</td>
<td>5</td>
<td>38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-6070C-L</td>
<td>5</td>
<td>38/40</td>
<td>1.4/1.6</td>
<td>69/72</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>10</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-6070C-M</td>
<td>5</td>
<td>38/40</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-6070C-H</td>
<td>5</td>
<td>38/40</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-67-SD-L</td>
<td>5</td>
<td>55/60</td>
<td>1.0/1.5</td>
<td>70/79</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-67-SD-M</td>
<td>5</td>
<td>55/60</td>
<td>1.0/1.5</td>
<td>70/79</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>Model Number</td>
<td>Clear Aperture</td>
<td>Isolation Min/Typ</td>
<td>Ins Loss Typ/Max</td>
<td>Transmission Min/Typ</td>
<td>Diameter</td>
<td>Length</td>
<td>Power Handling W/cm²</td>
<td>Tunable</td>
<td>Broadband</td>
</tr>
<tr>
<td>--------------</td>
<td>----------------</td>
<td>-------------------</td>
<td>------------------</td>
<td>---------------------</td>
<td>----------</td>
<td>--------</td>
<td>----------------------</td>
<td>---------</td>
<td>-----------</td>
</tr>
<tr>
<td>I-80-U-4</td>
<td>60/63</td>
<td>0.9/1.4</td>
<td>72/81</td>
<td>1.375/34.9</td>
<td>3.9/99</td>
<td>50</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-80-5-FR</td>
<td>30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.375/34.9</td>
<td>3.07/78</td>
<td>300</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80-5L</td>
<td>38/40</td>
<td>0.5/0.8</td>
<td>83/89</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>50</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-80-5M</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-80-5H</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-7090C-L</td>
<td>38/40</td>
<td>0.5/0.8</td>
<td>83/89</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>50</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-7090C-M</td>
<td>38/40</td>
<td>0.5/0.75</td>
<td>84/89</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-7090C-H</td>
<td>38/40</td>
<td>0.5/0.75</td>
<td>84/89</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-80-4M</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-80-4L</td>
<td>38/40</td>
<td>0.5/0.8</td>
<td>83/89</td>
<td>1.375/34.9</td>
<td>3.03/77</td>
<td>50</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80T-4L</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-80T-4H</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-80U-4</td>
<td>60/63</td>
<td>0.9/1.4</td>
<td>72/81</td>
<td>1.375/34.9</td>
<td>3.9/99</td>
<td>50</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-80-3L</td>
<td>38/40</td>
<td>0.5/0.8</td>
<td>83/89</td>
<td>1.375/34.9</td>
<td>3.07/78</td>
<td>300</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80-3M</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>50</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-80-3H</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.13/105</td>
<td>250</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80T-3L</td>
<td>38/40</td>
<td>0.5/0.8</td>
<td>83/89</td>
<td>1.375/34.9</td>
<td>3.03/77</td>
<td>50</td>
<td>Y</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80T-3M</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.12/105</td>
<td>100</td>
<td>Y</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-80T-3H</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.13/105</td>
<td>250</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80-2L</td>
<td>38/40</td>
<td>0.5/0.8</td>
<td>83/89</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>50</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80-2M</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td>100</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80-2H</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.0/25.4</td>
<td>4.13/105</td>
<td>250</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-7090C-2L</td>
<td>35/38</td>
<td>0.5/0.8</td>
<td>83/89</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>50</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-7090C-2M</td>
<td>38/40</td>
<td>0.5/0.75</td>
<td>84/89</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td>100</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-7090C-2H</td>
<td>38/40</td>
<td>0.5/0.75</td>
<td>84/89</td>
<td>1.0/25.4</td>
<td>4.13/105</td>
<td>250</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80-2H</td>
<td>38/40</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td>100</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80-2M</td>
<td>38/40</td>
<td>0.5/0.75</td>
<td>84/89</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td>100</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80-2L</td>
<td>38/40</td>
<td>0.5/0.8</td>
<td>83/89</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>50</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-80-U-2</td>
<td>60/63</td>
<td>0.9/1.4</td>
<td>72/81</td>
<td>1.0/25.4</td>
<td>3.31/84</td>
<td>50</td>
<td>N</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

Back to Top
### Optical Isolators for 900-1000nm

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Clear Aperture</th>
<th>Isolation Min/Typ</th>
<th>Transmission Min/Typ</th>
<th>Diameter inch/mm</th>
<th>Length inch/mm</th>
<th>Power Handling W/cm²</th>
<th>Tunable</th>
<th>Broadband</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-98-2L</td>
<td>2, 30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-98-2M</td>
<td>2, 35/38</td>
<td>0.3/0.5</td>
<td>89/93</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>50</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-98-2H</td>
<td>2, 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-9010C-2L</td>
<td>2, 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td>50</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-9010C-2M</td>
<td>2, 38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-9010C-2H</td>
<td>2, 38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.0/25.4</td>
<td>4.13/105</td>
<td>250</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-98U-2</td>
<td>2, 60/63</td>
<td>0.9/1.4</td>
<td>72/81</td>
<td>1.0/25.4</td>
<td>3.31/84</td>
<td>50</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-98-4-FR</td>
<td>4, 30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.375/34.9</td>
<td>3.0/76</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-92T-4L</td>
<td>4, 35/38</td>
<td>0.3/0.5</td>
<td>89/93</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td>50</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-92T-4M</td>
<td>4, 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-92T-4H</td>
<td>4, 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-92-SD-4</td>
<td>4, 55/60</td>
<td>1.0/1.5</td>
<td>70/79</td>
<td>1.375/34.9</td>
<td>4.69/119</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-98U-4</td>
<td>4, 60/63</td>
<td>0.9/1.4</td>
<td>72/81</td>
<td>1.375/34.9</td>
<td>3.9/99</td>
<td>50</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-98-5-FR</td>
<td>5, 30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.375/34.9</td>
<td>3.0/76</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-98T-5L</td>
<td>5, 35/38</td>
<td>0.3/0.5</td>
<td>89/93</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td>50</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-98T-5M</td>
<td>5, 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-98T-5H</td>
<td>5, 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-9010C-L</td>
<td>5, 35/38</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td>100</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-9010C-M</td>
<td>5, 35/38</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td>100</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-9010C-H</td>
<td>5, 35/38</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td>250</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-98-SD-L</td>
<td>5, 55/60</td>
<td>1.0/1.5</td>
<td>70/79</td>
<td>1.375/34.9</td>
<td>4.69/119</td>
<td>50</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-92-SD</td>
<td>5, 55/60</td>
<td>1.0/1.5</td>
<td>70/79</td>
<td>1.375/34.9</td>
<td>4.69/119</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-98-SD-M</td>
<td>5, 55/60</td>
<td>1.0/1.5</td>
<td>70/79</td>
<td>1.375/34.9</td>
<td>4.69/119</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-98-SD-H</td>
<td>5, 55/60</td>
<td>1.0/1.5</td>
<td>70/79</td>
<td>1.375/34.9</td>
<td>4.97/127</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>
## Optical Isolators for 1000-1100nm

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Clear Aperature</th>
<th>Isolation Min/Typ</th>
<th>Ins Loss Min/Typ</th>
<th>Transmission Min/Typ</th>
<th>Diameter inch/mm</th>
<th>Length inch/mm</th>
<th>Power Handling W/cm²</th>
<th>Tunable</th>
<th>Broadband</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-106-2-FR</td>
<td>2 30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td></td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106-2L</td>
<td>2 35/38</td>
<td>0.3/0.5</td>
<td>89/93</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td></td>
<td>50</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106-2M</td>
<td>2 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td></td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106-2H</td>
<td>2 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.0/25.4</td>
<td>4.13/105</td>
<td></td>
<td>250</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-1011C-2L</td>
<td>2 38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.0/25.4</td>
<td>3.54/90</td>
<td></td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-1011C-2M</td>
<td>2 38/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.0/25.4</td>
<td>4.13/105</td>
<td></td>
<td>250</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106-3-FR</td>
<td>3 30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td></td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106-3L</td>
<td>3 35/38</td>
<td>0.3/0.5</td>
<td>89/93</td>
<td>1.0/25.4</td>
<td>2.40/61</td>
<td></td>
<td>50</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106-3M</td>
<td>3 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.0/25.4</td>
<td>3.84/98</td>
<td></td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106-3H</td>
<td>3 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.0/25.4</td>
<td>4.43/113</td>
<td></td>
<td>250</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106-4-FR</td>
<td>4 30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.375/34.9</td>
<td>3.0/76</td>
<td></td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106T-4L</td>
<td>4 35/38</td>
<td>0.3/0.5</td>
<td>89/93</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td></td>
<td>50</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-106T-4M</td>
<td>4 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td></td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-106T-4H</td>
<td>4 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td></td>
<td>250</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-106-5-FR</td>
<td>5 30/35</td>
<td>0.2</td>
<td>95</td>
<td>1.375/34.9</td>
<td>3.0/76</td>
<td></td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106T-5L</td>
<td>5 35/38</td>
<td>0.3/0.5</td>
<td>89/93</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td></td>
<td>50</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-106T-5M</td>
<td>5 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td></td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-106T-5H</td>
<td>5 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td></td>
<td>250</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-1011C-L</td>
<td>5 35/38</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td></td>
<td>50</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-1011C-M</td>
<td>5 35/38</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>4.0/102</td>
<td></td>
<td>100</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-1011C-H</td>
<td>5 35/38</td>
<td>0.6/0.75</td>
<td>84/86</td>
<td>1.375/34.9</td>
<td>5.01/127</td>
<td></td>
<td>250</td>
<td>Y</td>
<td>Y</td>
</tr>
<tr>
<td>I-106-SD-L</td>
<td>5 55/60</td>
<td>1.0/1.5</td>
<td>70/19</td>
<td>1.375/34.9</td>
<td>5.09/130</td>
<td></td>
<td>50</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106-SD-M</td>
<td>5 55/60</td>
<td>1.0/1.5</td>
<td>70/19</td>
<td>1.375/34.9</td>
<td>5.09/130</td>
<td></td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-106-SD-H</td>
<td>5 55/60</td>
<td>1.0/1.5</td>
<td>70/19</td>
<td>1.375/34.9</td>
<td>5.39/137</td>
<td></td>
<td>250</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

[Back to Top](#)

## Optical Isolators for 1100-1200nm

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Clear Aperature</th>
<th>Isolation Min/Typ</th>
<th>Ins Loss Min/Typ</th>
<th>Transmission Min/Typ</th>
<th>Diameter inch/mm</th>
<th>Length inch/mm</th>
<th>Power Handling W/cm²</th>
<th>Tunable</th>
<th>Broadband</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-116-5-FR</td>
<td>5 30/35</td>
<td>0.3</td>
<td>93</td>
<td>1.375/34.9</td>
<td>3.0/76</td>
<td></td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-116T-5L</td>
<td>5 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>5.12/130</td>
<td></td>
<td>50</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-116T-5M</td>
<td>5 35/38</td>
<td>0.5/0.8</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>5.12/130</td>
<td></td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-116T-5H</td>
<td>5 35/38</td>
<td>0.4/0.7</td>
<td>85/91</td>
<td>1.375/34.9</td>
<td>5.89/147</td>
<td></td>
<td>250</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>

[Back to Top](#)
### LPE Film Based Optical Isolators

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Clear Aperature</th>
<th>Isolation Min/Typ</th>
<th>Ins Loss Typ/Max</th>
<th>Transmission Min/Typ</th>
<th>Diameter</th>
<th>Length</th>
<th>Power Handling</th>
<th>Tunable</th>
<th>Broadband</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-80B-4</td>
<td>4</td>
<td>30/35</td>
<td>3 to 6</td>
<td>25 to 50</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>10</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-106B-4</td>
<td>4</td>
<td>30/35</td>
<td>1.2</td>
<td>75</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>10</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-11B-4-FR</td>
<td>4</td>
<td>30</td>
<td>0.3</td>
<td>93</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-11B-4</td>
<td>4</td>
<td>30/35</td>
<td>0.4/0.6</td>
<td>87/91</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-11B-5</td>
<td>5</td>
<td>30/35</td>
<td>0.4/0.6</td>
<td>87/91</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-11T-5H</td>
<td>5</td>
<td>30/35</td>
<td>0.6/0.75</td>
<td>87/84</td>
<td>1.375/34.9</td>
<td>4.92/125</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-12B-4-FR</td>
<td>4</td>
<td>30</td>
<td>0.1</td>
<td>97</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>100</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-12B-4</td>
<td>4</td>
<td>35/40</td>
<td>0.2/0.4</td>
<td>91/95</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-12B-5</td>
<td>5</td>
<td>35/40</td>
<td>0.2/0.4</td>
<td>91/95</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-12T-5H</td>
<td>5</td>
<td>35/40</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.375/34.9</td>
<td>4.92/125</td>
<td>100</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-13B-4-FR</td>
<td>4</td>
<td>35</td>
<td>0.1</td>
<td>97</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-13B-4</td>
<td>4</td>
<td>38/43</td>
<td>0.2/0.4</td>
<td>91/95</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>300</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-13T-4H</td>
<td>4</td>
<td>35/38</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.375/34.9</td>
<td>4.92/125</td>
<td>300</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-13B-5</td>
<td>5</td>
<td>38/43</td>
<td>0.2/0.4</td>
<td>91/95</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>300</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-14B-4-FR</td>
<td>4</td>
<td>35</td>
<td>0.1</td>
<td>97</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-14B-4</td>
<td>4</td>
<td>38/43</td>
<td>0.2/0.4</td>
<td>91/95</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>300</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-15B-4-FR</td>
<td>4</td>
<td>35</td>
<td>0.1</td>
<td>97</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-15B-4</td>
<td>4</td>
<td>38/43</td>
<td>0.2/0.4</td>
<td>91/95</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>300</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-15B-5</td>
<td>5</td>
<td>38/43</td>
<td>0.2/0.4</td>
<td>91/95</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>300</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-15T-5H</td>
<td>5</td>
<td>35/38</td>
<td>0.5/0.7</td>
<td>85/89</td>
<td>1.375/34.9</td>
<td>4.92/125</td>
<td>300</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-16B-4-FR</td>
<td>4</td>
<td>35</td>
<td>0.1</td>
<td>97</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-16B-4</td>
<td>4</td>
<td>38/43</td>
<td>0.2/0.4</td>
<td>91/95</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>300</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-17B-4-FR</td>
<td>4</td>
<td>28</td>
<td>0.25</td>
<td>97</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>50</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-17B-4</td>
<td>4</td>
<td>30/35</td>
<td>0.4/0.6</td>
<td>86/91</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>50</td>
<td>Y</td>
<td>N</td>
</tr>
<tr>
<td>I-21B-4-FR</td>
<td>4</td>
<td>28</td>
<td>0.5</td>
<td>89</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>25</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-21B-4</td>
<td>4</td>
<td>30/35</td>
<td>1</td>
<td>79</td>
<td>0.75/19</td>
<td>1.48/37.6</td>
<td>25</td>
<td>Y</td>
<td>N</td>
</tr>
</tbody>
</table>

### LPE Film Based - Double Stage Optical Isolators

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Clear Aperature</th>
<th>Isolation Min/Typ</th>
<th>Ins Loss Typ/Max</th>
<th>Transmission Min/Typ</th>
<th>Diameter</th>
<th>Length</th>
<th>Power Handling</th>
<th>Tunable</th>
<th>Broadband</th>
</tr>
</thead>
<tbody>
<tr>
<td>I-12UHP-4 or 5</td>
<td>4 or 5</td>
<td>60/65</td>
<td>0.5/1.0</td>
<td>79/89</td>
<td>0.75/19</td>
<td>1.67/42.3</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-13UHP-4 or 5</td>
<td>4 or 5</td>
<td>63/75</td>
<td>0.4/0.8</td>
<td>83/91</td>
<td>0.75/19</td>
<td>1.67/42.3</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-14UHP-4 or 5</td>
<td>4 or 5</td>
<td>63/75</td>
<td>0.4/0.8</td>
<td>83/91</td>
<td>0.75/19</td>
<td>1.67/42.3</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-15UHP-4 or 5</td>
<td>4 or 5</td>
<td>63/75</td>
<td>0.4/0.8</td>
<td>83/91</td>
<td>0.75/19</td>
<td>1.67/42.3</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
<tr>
<td>I-16UHP-4 or 5</td>
<td>4 or 5</td>
<td>63/75</td>
<td>0.4/0.8</td>
<td>83/91</td>
<td>0.75/19</td>
<td>1.67/42.3</td>
<td>300</td>
<td>N</td>
<td>N</td>
</tr>
</tbody>
</table>

Back to Top