High Power Polarization Insensitive/Dependent Isolator-2000nm Compact size

Features
• High Power Handling
• High Isolation
• High Reliability
• Low IL, PDL & TDL
• Cost Effective

Product Description
This 2 μm passive device transmits high power light from input fiber into output fiber while blocking the unwanted light from back reflection and scattering. Agiltron’s proprietary magnetic-optics technology and advanced micro-optic technique enable industrial leading performance in power handling, low loss, reliability, and cost effective. Agiltron currently provides a full range of polarization-independent, polarization maintaining, and custom design versions with a broad wavelength coverage and various output beam diameters. We have experience to incorporate special fibers.

Performance Specifications

<table>
<thead>
<tr>
<th>FSOI High power Isolator</th>
<th>Single Stage</th>
<th>Dual Stage</th>
<th>Unit</th>
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</thead>
<tbody>
<tr>
<td>Operation Wavelength</td>
<td>1940, 1950, 2000, 2050, 2100 nm</td>
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<tr>
<td>Insertion Loss, λc ± 50 nm, 23°C All Polarization States</td>
<td>≤1.2 dB</td>
<td>≤1.5 dB</td>
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<tr>
<td>Isolation, λc ± 50 nm, 23°C All Polarization States</td>
<td>≥16 dB</td>
<td>≥35 dB</td>
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<tr>
<td>Polarization Dependent Loss</td>
<td>≤0.15 dB</td>
<td>≤0.2 dB</td>
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<tr>
<td>Extinction ratio</td>
<td>≥18 dB</td>
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<tr>
<td>Return Loss</td>
<td>≥50 dB</td>
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<tr>
<td>Power Handling</td>
<td>1, 2, 3, 5, 10 W</td>
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<tr>
<td>Fiber Type</td>
<td>SMF-28e, SM1950, SM2000, PM1550, PM1950, 10/130DCF</td>
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<tr>
<td>Operating Temperature</td>
<td>-5 - +70 °C</td>
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<td>Storage Temperature</td>
<td>-40 - +85 °C</td>
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<tr>
<td>Dimensions</td>
<td>φ5.5×35, 80x12x10 mm</td>
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Mechanical Footprint Dimensions (mm)

For 1~5W

For 6~10W

Ordering Information

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<th>Type</th>
<th>Wavelength</th>
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<td>Regular=11</td>
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<td>2W=2</td>
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