This fiber optic circulator is a non-reciprocating device which transports an optical signal from one port to the next port, only in one direction (i.e. 1 to 2, or 2 to 3). They may be used to separate forward and backward propagating signals with typically 45dB of isolation and a directivity (crosstalk) figure of better than 50dB.

Specifications
- Wavelength Range: 1525-1565nm
- Isolation Max/Min: 50dB/40dB
- Insertion Loss Typical/Max: 0.8/1.0dB
- Directivity: ≥50dB
- Return Loss: ≥50dB
- Polarization Dependent Loss: ≤0.1dB
- Polarization Mode Dispersion: ≤0.1ps
- Max. Optical Power: 500mW
- Operating Temperature: 0 to 65°C
- Storage Temperature: -40 to 85°C

Applications Features
- Add-Drop
- Fiber Sensors
- Bi-Directional Pumping
- Exceptional Environmental Stability

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Isolators: Fiber Optic

These polarization insensitive single stage fiber optic isolators are passive, non-reciprocal, high performance lightwave components for suppressing optical feedback in laser-based fiber optic systems. They provide very low insertion loss, high isolation, high return loss, and excellent environmental stability and reliability in a compact, rugged package.

Specifications 4013SA/4015SA
- Center Wavelength (4013SA): 1310nm
- Center Wavelength (4015SA): 1550nm
- Typical Peak Isolation: >40dB
- Minimum Isolation : >30dB
- Typical Insertion Loss: 0.4dB
- Maximum Insertion Loss: <0.7dB
- Return Loss (Input/Output): ≥60/50dB
- Polarization Dependent Loss: <0.1dB
- Polarization Mode Dispersion: <0.25ps
- Max Optical Power: 300mW
- Max Tensile: 5N
- Operating Temperature: -20 to +60°C
- Storage Temperature: -40 to +85°C
- Fiber Length: 1m

Over center wavelength ± 15nm at 25°C all polarization states

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Isolators

<table>
<thead>
<tr>
<th>ITEM#</th>
<th>$</th>
<th>£</th>
<th>€</th>
<th>¥</th>
<th>DESCRIPTION</th>
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<td>¥ 46,920</td>
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<td>1550nm Single Stage Isolator FC/PC Connectors</td>
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FC/APC Connectors available by special order. Call Technical Support at 973-579-7227.