Terbium Gallium Garnet Based Polarization Maintaining 850/980/1060 Optical Circulator

(patents pending)

Product Description

The OC Series Terbium Gallium Garnet based 850/980/1060nm Optical Circulators are non-reciprocal devices that redirect light at 850/980/1060 nm from port-to-port in only one direction while minimizing back reflection and back scattering in the reverse directions for any state of polarization. With Agiltron’s patent pending magnetic-optics technology and proven advanced micro optics design, the circulator features low insertion loss, high isolation, compact structure, high power handling, and high stability. The excellent characteristics of this product make it an ideal choice for application in fiber amplifier systems, pump laser diodes, and optical fiber sensors. Agiltron also provides customized design to meet special applications.

Features

- Low Insertion Loss
- High Isolation
- Low PDL
- High Reliability & Stability
- Cost Effective

Performance Specifications

<table>
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<th>OC Series TGG based 850/980/1060 nm Fiberoptic Circulator</th>
<th>PM</th>
<th>Min</th>
<th>Typical</th>
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<td>Operation Wavelength</td>
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1. Excluding connectors
Terbium Gallium Garnet Based Polarization Maintaining 850/980/1060 Optical Circulator

Optical Performance

Insertion Loss (dB) vs. Center Wavelength

IL/Iso Vs. Temp @ Center Wavelength

Insertion Loss (dB) vs. Temperature (Degree C)
Terbium Gallium Garnet Based Polarization Maintaining 850/980/1060 Optical Circulator

Mechanical Dimensions (Unit:mm)

![Mechanical Dimensions Diagram]

Ordering Information

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15 Presidential Way, Woburn, MA 01801 Tel:(781)935-1200 Fax:(781)935-2040 www.agiltron.com