



Excelitas Technologies Debuts Medium-Power, Polarization-Insensitive Faraday Isolator Series

High Optical Isolation for Random Polarized Lasers in the 50W-250W Power Range



WALTHAM, Mass., April 29, 2020 – Qioptiq, an [Excelitas Technologies®](#) Company, introduces its new series of [LINOS Medium-Power, Polarization-Insensitive Faraday Isolators \(FI-1064-MP-UP\)](#). This Faraday Isolator's innovative design enables protection of high-power, randomly polarized lasers in an average 50-250W power range, with high optical isolation.

The LINOS FI-1064-MP-UP Faraday Isolator Series includes a fiber-coupling option so that it can be used for free beam lasers or high-power pigtailed lasers. It offers typical maximum optical isolation of ≥ 30 dB for randomly polarized laser light across the 50-250W power range. The compact design allows easy integration into laser systems and can be combined with fiber-coupled input and output. The FI-1064-MP-UP Series are suited for high-power lasers needing protection from back reflection to ensure stable operation and optical damage protection.

Product features include:

- Laser power: Up to 250 Watts
- Isolation ≥ 30 dB (typical)
- State of polarization: Unpolarized
- Design wavelength: 1064 nm
- Fiber coupling option

“Our new FI-1064-MP-UP Series’ superior optical isolation, power range and performance are ideal for a variety of industrial laser manufacturing and laser-based processing applications,” said Volker Melzer, Director of Product Management Laser Technology at Excelitas. “Our LINOS Faraday Isolators are distinguished by high performance, combined with the greatest possible transmission, and the development of the new FI-1064-MP-UP exemplifies our ongoing commitment to providing the advanced technologies our OEM customers need.”

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About Excelitas Technologies

Excelitas Technologies® Corp. is a photonics technology leader focused on delivering innovative, high-performance, market-driven solutions to meet the lighting, optronics, detection and optical technology needs of our OEM customers. Serving a vast array of applications across biomedical, scientific, safety, security, consumer products, semiconductor, industrial manufacturing, defense and aerospace sectors, Excelitas stands committed to enabling our customers’ success in their end-markets. Our photonics team consists of 6,700 professionals working across North America, Europe and Asia, to serve customers worldwide. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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