



Features

- Eliminate Any Conductive Path Between Antenna and Shielded Enclosure
- Withstands Extremely High Powered Threats
- High Performance RF_{in} to RF_{out} Link Solution
- Wideband RF Link Performance, 50 MHz to >20 GHz Capability
- Module Level Packaging
- Customization Available

Applications

- Antenna Based Systems
- Replace High Loss Coax Cable
- Remote Antenna Sites
- Radio Over Fiber
- EW/ECM Systems
- SATCOM Systems

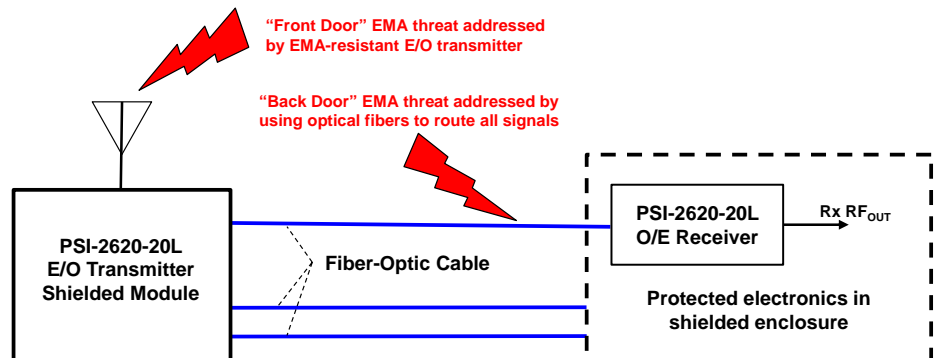
PHOTONIC SYSTEMS INC.

900 Middlesex Turnpike
Building 5
Billerica, MA 01821 USA
P: 1-978-670-4990
F: 1-978-670-2510
E: psi.sales@photonicsinc.com
www.photonicsinc.com

Description

PSI's EMA Protected RF/Microwave over fiber optic interconnect link provides complete isolation of sensitive system electronics from destructive high power electro-magnetic energy. RF/Microwave systems connected to an antenna susceptible to Electro-Magnetic Attack (EMA) can now be protected using the PSI-2620-20L RF/microwave photonic link.

Traditional metallic based antenna connection systems cannot protect or only provide limited protection from both the "Front Door" EMA threat coupled in via the antenna or the "Back Door" EMA threat coupled in via cables and connectors. The PSI-2620-20L high-performance RF/microwave photonic link consisting of an electrical-to-optical (E/O) transmitter and an optical-to-electrical (O/E) receiver, replaces coaxial cable or waveguide in a system to provide complete protection from extremely high powered electro-magnetic energy threats.



Availability

The PSI-2620-20L is only available to customer located in the United States. Additional performance information is available. Please contact PSI at psi.sales@photonicsinc.com to discuss application requirements.