

Protecting Sensitive Electronics In Harsh Conditions



Key Optical Networking Application Areas



Digital Attenuators



Cellular Communications



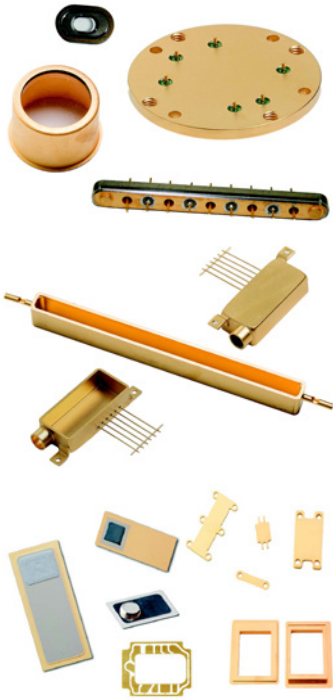
DWDM Optical Transport Systems

Qnnect is the premier global supplier of hermetic packaging, components and services to leading manufacturers in the optical networking industry. Comprised of highly respected microelectronic packaging brands - Hi-Rel Group, Litron, PA&E and Sinclair Manufacturing, we offer a single source of supply for hermetic packages, connectors, headers, lids, windows, thermal management materials, vacuum products, preforms and laser solutions. We make our customers lives easier by providing a comprehensive solution to enable and protect sensitive electronics in harsh environments.

Key Benefits Of Working With Qnnect In The Optical Networking Sector

As transmission speeds increase beyond 100Gb/s in both data centers and telecomms applications including 5G, the need for complex, high reliability hermetic optoelectronic devices has never been stronger. Qnnect is uniquely placed to help you maximize device reliability in any application.

Comprehensive Range of Solutions



Hermetic Interconnect Products

We manufacture traditional glass-to-metal sealed components as well as a range of dc connector configurations that use kryoflex®, a unique ceramic-to-metal sealing technology for maximum long-term reliability and electrical performance. Our hermetic window options include mil-0-13830 optical windows that can be produced in almost any size or shape as well as custom sight or waveguide windows with a variety of frame and glass options.

Hermetic Electronic Packaging

Qnnect manufactures custom fiber optic and telecommunications packages for a variety of applications including wadm modules, modulators, attenuators, pump lasers, switches and amplifiers. We also manufacture custom hermetic laser packages.

Enabling Components

There's more to a reliable hermetic package solution than a box and connectors. We also produce: getters, solder preforms, ring frames, custom thermal spreaders, and package lids.



Laser Services

We are a one-stop shop for our customers who need any type of industrial laser service – from laser welding to cutting, drilling and marking. We can handle quantities from prototype all the way up to large production runs, and have the systems in place to make sure you have full traceability.

Explosively Bonded Metals

Our explosive metal welding process allows us to combine a range of metals not possible through traditional welding methods (including permanently joining ferrous, non-ferrous metals).





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