

Company Offers Complete Packaging Solution for High Speed Circuits

High speed digital and microwave packages operating up to 50 GHz can be provided, assembled and tested for a wide range of commercial market and military applications

StratEdge now offers a complete high performance micro-electronic packaging and testing solution. The company designs and manufactures ceramic and glasswall packages for devices operating from

DC to 50+ GHz, performs complete assembly, marks the product, trims and forms the leads as required, then fully tests the device before shipment. Typical applications for the devices include microwave, high speed digital and mixed-signal products for networking, wireless infrastructure, VSAT terminals, fiber optic communications (OC-48, OC-192, OC-768), test and measurement, military and aerospace.

Single- or multi-chip MMIC and fiber optic devices are assembled into StratEdge packages using eutectic or epoxy die and passive component attachment, with automatic wire bonding. After assembly, packages are lidded, leads trimmed and formed, then tested with a HP 8510C network analyzer at frequencies up to 50 GHz. Post assembly services include labeling, bulk packaging and preparation for delivery. Parts can be sorted and grouped, based on tight electrical performance specifications.

StratEdge's high performance packages use post-fired hardened ceramic, which has complete dimensional stability and precise mechanical tolerances. The ceramic is mated with patented electrical transition designs and state-of-the-art ceramic-to-metal seal technology. Plastic Equivalent Packages (PEP) and metal packages are also available.



StratEdge offers complete packaging, assembly and testing of microwave, high speed digital and fiber optic products.

Package types cover all common lead layouts as well as custom designs. The company introduced its first microwave package in 1992 and developed a patented microstrip-imbedded microstrip-microstrip transition to enable operation at higher frequencies.

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