Times Microwave Systems Announces InstaBend™ 141 High-Performance Microwave Assemblies

Enables Extreme Bending from the Back of the Connector for Minimal Footprint in Inside-the-Box and Between-Box Connections

WALLINGFORD, CT – Times Microwave Systems, the preeminent brand in innovative RF and microwave interconnect assemblies, cables, and connectors, introduces its new InstaBend™ 141 (IB-141)high-performance microwave assembly. InstaBend 141 provides a larger-diameter, lower-loss addition to Times Microwave's Systems InstaBend family of microwave assemblies,

which feature a flexible preassembled design for interconnects between RF circuit cards, modules, and enclosure panels.

IB-141 is ideal for both inside-the-box and between-box connections in applications including space flight, thermal vacuum, microwave test, and many other commercial and military applications. InstaBend 141's diameter (0.163 in./4.14 mm) enables lower loss for applications with stringent requirements in a form that is lighter weight than traditional semi-rigid cables. Its small bend radius and flexibility enable low-profile installation, easier routing, and tool-free bending compared to semi-rigid cables, with a maximum frequency of 27 GHz.

The new InstaBend 141 is designed with focus on a robust cable-connector junction that can withstand tight bends without performance degradation. Like all InstaBend assemblies, the cable can be bent very closely behind the connector, minimizing footprint, saving space, and simplifying cable routing.

"The new InstaBend 141 expands on the unique low-profile bendability of our InstaBend product family, which enables very tight turns in limited space, with a larger, but lower loss cable option," said Kai Loh, Product Solutions Manager at Times Microwave Systems. "The ability to bend the cable close to the connector back-end without compromising mechanical integrity and electrical performance adds flexibility to high-density system design."

The newest InstaBend is available now with a short lead time in standard configurations or can be customized to meet an application's specific needs. For more information, please visit IB-141 – Times Microwave Systems.

About Times Microwave Systems

Times Microwave Systems, a member of Amphenol North America Military Group, a division of Amphenol Harsh Environment

Solutions, is a pioneering brand of innovative RF and microwave interconnect assemblies, cables, and connector designs. We have more than 70 years of industry experience in designing and manufacturing high-performance coaxial cables, connectors, assemblies, and custom solutions for ultra-demanding applications, including aerospace, avionics and airframe, land mobile radio and public networks, medical, military and defense, industrial, quantum computing, radars, railway, space, test and measurement, wireless infrastructure and 5G, and more.