

Components Available When Needed

5G promises faster speeds, lower latency, and increased bandwidth, however, the deployment of 5G networks must meet certain demands as well, such as quick deployment schedules to meet required densification, higher system performance, and cost effectiveness. A trusted leading solutions provider, Microlab can help designers overcome the above challenges that stand in the way of seamless and efficient 5G network deployments, and Microlab's broad portfolio of readily available 5G ultra-wideband (UWB) products significantly contribute to ensuring a deployment's success.

Products from Microlab's comprehensive 5G UWB catalog are available for customers when they are needed to support tight deployment timelines, cost efficiency, and customer satisfaction while avoiding deployment and commission delays. Facilitating orders with minimal lead time, many products are assembled at its manufacturing facility in Parsippany, NJ, while other products assembled overseas are held in inventory both in NJ and in a large, nationwide stocking distribution network for short-term availability. Microlab's most popular products are available to ship within 3-5 days thanks to its multi-tiered manufacturing and distribution strategy that significantly improves component availability.

Furthermore, 5G network components require carrier/mobile network operator (MNO) or neutral host network owner approval for use in carrier and neutral host networks, and any delay can ramp up time-to-market and total costs. Instead of resigning to product approval timeframes, Microlab's 5G UWB components provide the advantage of pre-approval at many major MNOs and neutral hosts to reduce component procurement time.

Microlab provides various customization options to satisfy a broad range of customer-driven requirements supported by in-depth application engineering consultation. During customer-focused discussions, a bill of materials (BOM) review is conducted and recommendations are provided to optimize link budgets and lead times. If long lead times are revealed during BOM design consultation, alternate drop-in components with shorter lead times and comparable performance will be suggested to ensure fast component arrival that maintains site deployment schedules as well as system level performance.

In addition to 5G network deployments, Microlab has provided high-performance RF and microwave products for more than 70 years to support various applications, such as distributed antenna systems (DAS), high-quality radio coverage for public safety networks, high-powered signal combining and distribution, and high-level monitoring and signal conditioning solutions. From decreasing time-to-market to reducing project costs, Microlab's readily available 5G UWB products and numerous customization options are here to contribute to each 5G network deployment's success. To browse through all of Microlab's 5G UWB products and read more about its 5G solutions, visit <https://microlabtech.com/5g>.