



EM Research Releases New THOR-7500-XA: 6 to 7.5 GHz Frequency Synthesizer

Designed as a high performance synthesizer for an Airborne RF Jammer

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The THOR-7500-XA is a 6 to 7.5 GHz frequency synthesizer designed for an Airborne RF Jammer that operates under extreme vibration and shock conditions. The design also features low phase noise (< -95 dBc/Hz @ 100 KHz) and fast switching capability (< 300 μ Sec. Band-Edge to Band-Edge) critical for signals intelligence applications.

The THOR-7500-XA also locks to a ± 5 ppm stability and contains a channel step size of 500 KHz, +15 dBm output power, -60 dBc spurs and -25 dBc harmonics, all housed within a small surface-mount package (2.5" x 1.1" x 0.4"). This high performance design operates across temperatures from -40° C to $+85^{\circ}$ C with extended temperatures available.

The THOR-7500-XA adds a new performance-focused, uniquely designed architecture to the company's trusted THOR Series product line. With excellent resolution and ultra-fast switching for applications with agile tuning requirements, the THOR-7500-XA highlights another example of EM Research's ability to deliver advanced products for customers' most demanding requirements.

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ABOUT EM RESEARCH

EM Research is the partner that industry leaders trust to deliver innovative, configurable frequency generation and signal conversion solutions with excellent phase noise performance and ultra-low power consumption, all made in the USA to the highest quality standards. With decades of engineering expertise across a broad range of frequency bands, an ISO-certified manufacturing facility and relentless customer service, EM Research provides full spectrum innovation that drives clients' mission success.



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