

NEW!

MI-WAVE

Millimeter Wave Products Inc.

FREQUENCY SYNTHESIZERS



MI-WAVE SYNTHESIZER CONTROL INTERFACE

APPLICATIONS

- Automated Test Equipment (ATE)
- Frequency Agile Radar Signal Generation
- Local Oscillators & System Clock Source
- Telecommunications/Satellite Communications
- Embedded Systems
- Secure Communications & Electronic Warfare
- Beamforming & MIMO R&D
- Spectroscopy

FEATURES

- **Output Power +20 dBm Typical, Higher Output Power Available**
- **Remote RF Control:** Seamlessly operate RF signals via an intuitive GUI over Wi-Fi or Ethernet.
- **Four Operating Modes:** CW, Frequency Sweep, Frequency Hop, and External Trigger.
- **Modulation:** Supports external configuration for FSK modulation.
- **CW Mode Filter:** Customizable internal filter for precise and clean signal output.
- **High Resolution:** Achieve fine frequency adjustments with 0.01 Hz resolution.
- **Ultra-Fast Switching:** Less than 10 μ s for rapid frequency transitions.
- **Integrated Attenuators:** Up to 70 dB attenuation for enhanced signal management.
- **Low Phase Noise:** Ensures outstanding signal clarity and quality.
- **Reference Switching:** Easily switch between internal and external references, including an integrated 10 MHz or 100 MHz option.
- **Reference Compatibility:** Supports a wide range of reference frequencies, from 10 MHz to 500 MHz.
- **Temperature Monitoring:** Built-in sensor for stable and consistent performance.
- **Single Supply Operation:** Efficiently runs on 8VDC to 15VDC power.

958 SERIES

GUI CONTROLLED WIDEBAND SYNTHESIZERS

1-8 GHz

1-16 GHz

1-32 GHz

1-70GHz

V-Band (WR-15)

E-Band (WR-12)

W-Band (WR-10)



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Features:

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- **Remote RF Control:** Seamlessly operate RF signals via an intuitive GUI over Wi-Fi or Ethernet.
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- **Reference Compatibility:** Supports a wide range of reference frequencies, from 10 MHz to 500 MHz.
- **Temperature Monitoring:** Built-in sensor for stable and consistent performance.
- **Single Supply Operation:** Efficiently runs on 8VDC to 15VDC power.
- **Ultra-Wide Frequency Range:** 1-110 GHz, synthesizer will work below 1 GHz with higher harmonics.

Applications:

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- **Telecommunications/Satellite Communications**
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- **Secure Communications & Electronic Warfare**
- **Beamforming & MIMO R&D**
- **Spectroscopy**

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