

**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

#### 958 SERIES

#### GUI CONTROLLED WIDEBAND SYNTHESIZERS

0.1-8 GHz

0.1-16 GHz

0.1-32 GHz

0.1-67 GHz

V-Band (WR-15)

E-Band (WR-12)

#### 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  $\mu$ 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 with a 10 MHz or 100 MHz option.
- **Reference Compatibility:** Supports a wide range of reference frequencies, from 10 MHz to 250 MHz.
- **Temperature Monitoring:** Built-in sensor for stable and consistent performance.
- **Single Supply Operation:** Efficiently runs on 8VDC to 15VDC power.



2007 Gandy Blvd N Suite 1310  
St. Petersburg, FL 33702

Tel: (727) 563-0034

Email: sales@miww.com



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