

Noise Abatement

Phase noise: -151 dBc/Hz @ 100 MHz



[Holworth Instruments](#) provides low noise, **multi-channel synthesized sources** in compact footprints.

The Holworth HS3008A is a broadband, 8 channel CW frequency source. Features include excellent phase noise and superior harmonic and spurious performance. **Fully phase coherent channels** make this tunable source ideal for phased arrays.



Frequency: 8 MHz - 3 GHz (1 MHz resolution)
Power: - 110 dBm to +12 dBm (0.1 dB resolution)
Phase offset: 360 deg (0.1 deg resolution)
Phase noise: -151 dBc/Hz
Spurious: - 70 dBc
Harmonic Output: - 40 dBc

The entire product offering can be viewed at [Holworth Instruments website](#).

Space Travel

Frequency Electronics, Inc.

[Frequency Electronics](#) has a storied history of providing the satellite industry with elegant solutions to difficult engineering problems. Products range from redundant rubidium based clocks to full RF/Microwave receivers. Frequencies range from **L-Band to Ku-Band**. Complete reliability analysis and environmental test capability reside in their Long island, NY facility. Technical details of space products can be viewed at www.fregelec.com/space.html

For any precision timing need,
FEI is the supplier of choice.



Preflight



*American Microwave Corporation
signs **SPARTECH→SOUTH***

SPARTECH→SOUTH is pleased to begin selling American Microwave's product line in the Southeast:

- High performance **solid state switches** (SPST through SP32T) with excellent power handling.
- **Analog/Digital attenuators** that are broadband, flat and accurate.
- **DLVA's** that are truly DC coupled, have wide bandwidth, fast rise times and short recovery times.



American Microwave's capabilities also include:

- **Custom integrated assemblies** based on core technologies including phase shifters, amplifiers, couplers, modulators and power dividers.
- **Catalog products** with short lead times (view at www.americanmic.com)
- **Rapid delivery** on custom requests.