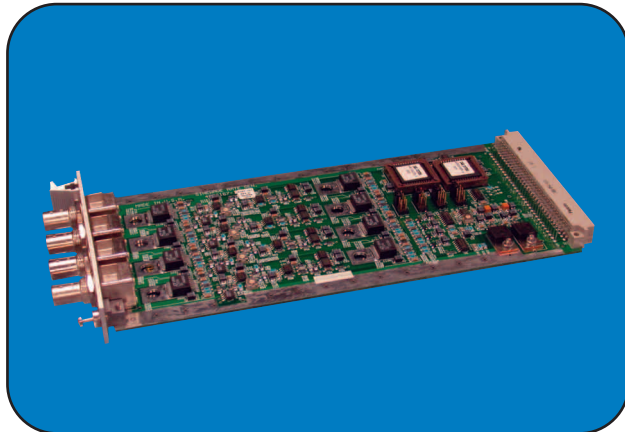


Application - Defense (Military) ■ SatCom ■ Wireless



9009 Sine Wave Rate Generator

The Model 9009 outputs fixed sine wave rates in five different configurations. Amplitudes for each of the four outputs are adjustable from the front panel keypad. As an added feature, output frequencies can be patched into the back plane assembly for additional distribution from the Model 9008, 4-Channel Linear Distribution modules. The following standard output frequencies are available:

9009-1	1 KHz, 10 KHz, 100KHz, 1 MHz
9009-2	3.125 KHz, 6.25 KHz, 12.5 KHz, 25 KHz
9009-3	5 MHz, All Four Outputs
9009-4	1 MHz, 5 MHz, 10 MHz, 10 MHz
9009-5	10 MHz, All Four Outputs

Specifications:

Level:	Adjustable From 1 to 6 Vpp into 50 Ω , From the Front Panel.
Accuracy:	Equal to the Model 9000 Internal OCXO
Connectors:	BNC, Female
Panel Space:	One High
Accuracy:	Equal to the Model 9000 Internal OCXO
Panel Space:	One High

9009 Low Phase Noise Sine Wave Generator

The Model 9009 Low Phase Noise Sine Wave Generator module is designed for critical reference frequency applications requiring low phase noise and low spurious content. In this module, a 5 MHz or 10 MHz low phase noise ovenized crystal oscillator is phase locked to the Model 9000 system reference, effectively isolating system noise, and providing excellent phase noise and spurious performance.

Phase Noise:	1 Hz carrier offset, -85 dBc
5 MHz and	10 Hz carrier offset, -105 dBc
10 MHz	100 Hz carrier offset, -130 dBc
	1 KHz carrier offset, -150 dBc
	10 KHz carrier offset, -150 dBc
	100 KHz carrier offset, -150 dBc
Spurious:	\geq -100 dBc
Harmonic Distortion:	-35 dBc
Output Voltage:	1.0 V RMS (+13 dBm), ± 2 dB, Fixed output levels
Isolation:	-70 dBc, output to output
Outputs:	Four on BNC female connectors, TNC connectors available
Impedance:	50 Ω

Models: 9009-9 5 MHz Output & 9009-8 10 MHz Output

Specifications subject to change without notice.