FREQUENCY DEVICES™, INC.

For Fixed Frequency Oscillators

Single Channel Oscillator Mounting Assembly

Description

The OMA1 Oscillator Mounting Assembly eliminates the need to breadboard or hand-wire oscillator modules into individual test set-ups. OMA1's are factory assembled 3" x 2" printed-circuit boards with socket pins for oscillator insertion, adjustment pots for frequency and amplitude, screw terminal connections for power, and either screw terminal connections or BNC connectors for signal outputs. The OMA1 operates with any of the D45, DX45, or D45Q series oscillator modules.

Features/Benefits

- No more building of breadboards
- Utilized as a single channel bench-top test set or rack mounted via mounting holes for instrumentation applications
- Provides quick and easy connection between circuit card and wired electrical circuits
- All external connections are easily made with a screwdriver, reducing engineering design, set-up, and test time

Oscillators Available

D45 100 Hz to 50 kHz
DX45 100 Hz to 50 kHz
D45Q Quadrature 100 Hz to 100 kHz

Applications

- Aerospace, navigation, sonar applications
- ATE, research and development
- Automotive and transportation
- Communication systems and electronics
- Data acquisition systems
- Industrial process control
- Medical electronics equip. and research
- Reference oscillator
- Distortion testing

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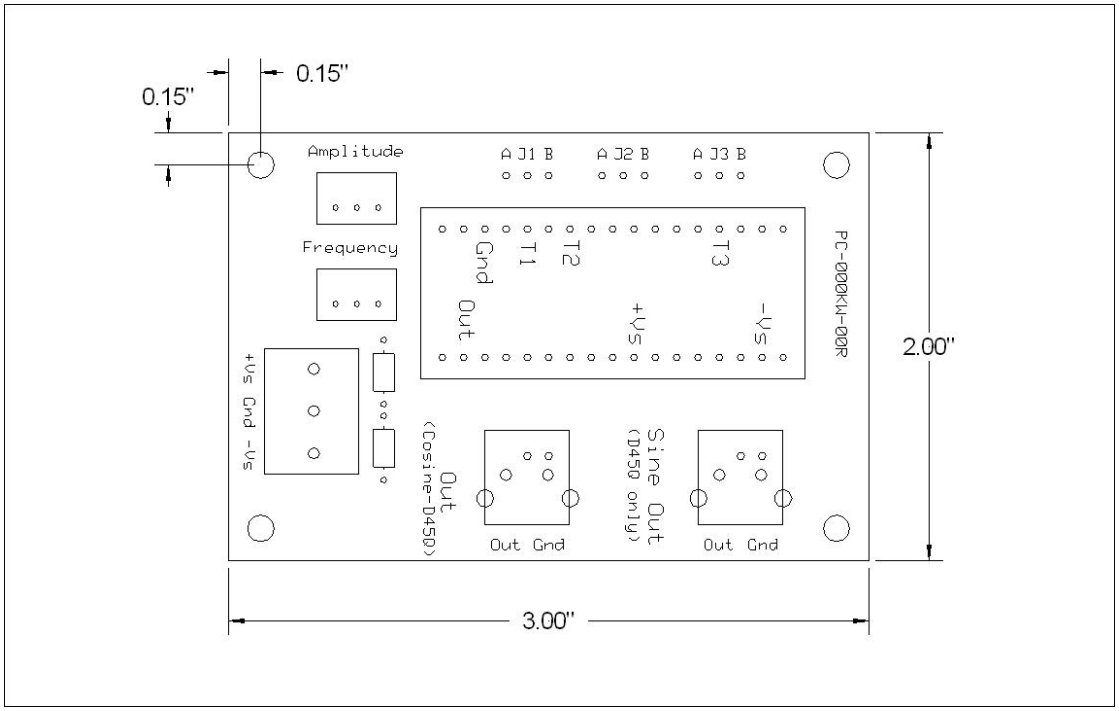
The OMA1 is available with either BNC or terminal block output connectors. Order the OMA1B for BNC output connectors or the OMA1T for terminal block output connectors.

The OMA1 has three jumpers that can be used to configure it for use with the D45, DX45, or D45Q oscillators. They can also be used to enable the adjustment of the amplitude and frequency of the D45 and DX45 oscillators. Use the following table to set up the OMA1.

Oscillator	Frequency	Amplitude	J1	J2	J3
D45 & DX45	Fixed	Fixed	B	B	A
D45 & DX45	Fixed	Adjustable	B	B	B
D45 & DX45	Adjustable	Fixed	A	A	A
D45 & DX45	Adjustable	Adjustable	A	A	B
D45Q	Always Fixed	Always Fixed	B	X	X

X = Don't Care

The OMA1 comes with 10 turn pots installed to adjust the D45 or DX45 frequency and/or amplitude provided the jumpers are set properly.



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