VF-500-30150
Piezo Amplifier

Description

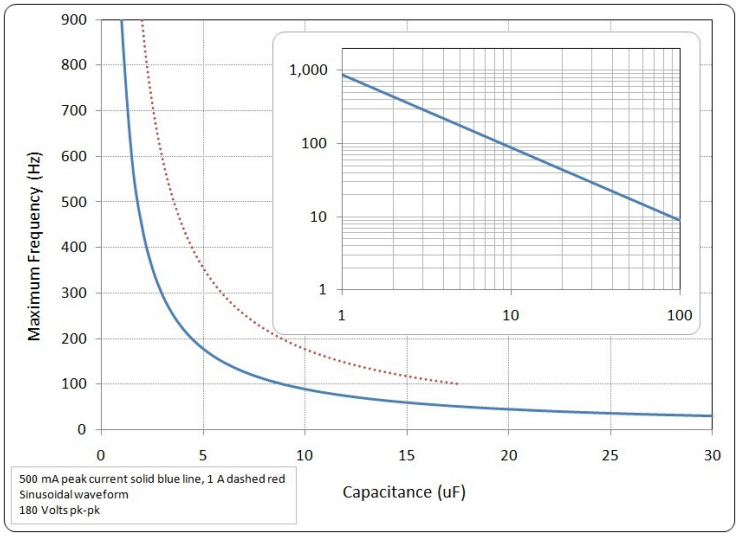
Highpower electronic device for driving piezoelectric systems. Amplifies a low voltage analog input signal. An optional user interface menu available through the front panel LCD allows the operator to set up the amplifier and to configure the DC voltage offset, amplitude, and frequency of an integrated sinusoidal waveform generator. Able to deliver 500mA maximum current, up to 1A for short bursts.

Features

- Over-current protection
- Over-temperature protection
- Short-circuit protection
- Protection against over/under voltage conditions on the power line

Specifications

Output Voltage (V):	-30 to +150
Input Voltage Signal (V):	-1.5 to +7.5
Max Peak Current (mAp):	1000
Dimensions (in):	4 x 13 x 9.5
Dimensions (mm):	102 x 330 x 241
Operating Voltage (VDC):	100-250, 50/60Hz, 5.2A
Bandwidth (kHz):	>4 Hz (-3dB)
Noise (mVrms):	<3
Gain (V/V):	20 +/-5%
Recommended Min. Capacitance (nF):	500
Connector:	SMA



Options

(Contact DSM for current option pricing)

- Output Voltages: -30V to +200
- LCD Screen with Sine Generator (pictured)

Application Examples

- Driving Piezo Actuators/Stages
- Microscopy Devices
- Material Testing Equipment
- R&D/University Projects

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