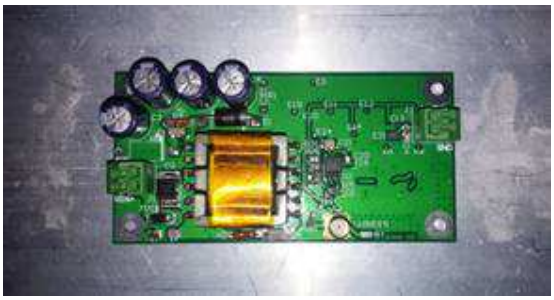
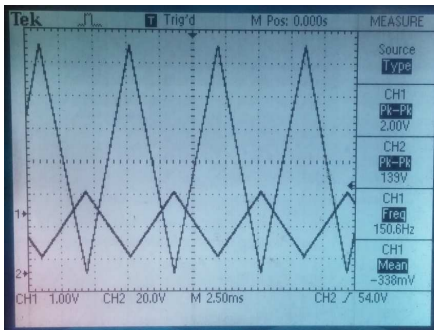
HIGH VOLTAGE PIEZO DRIVER

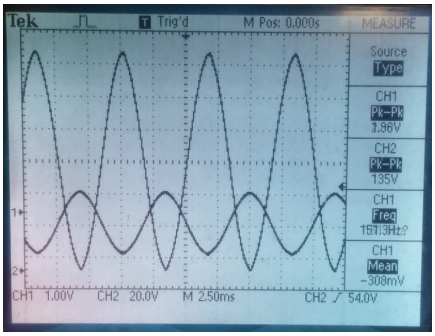


FEATURES
Single +12V DC Input High Voltage Amplifier
SMA Modulation Input
Press In Terminal Connectors, No Soldering Needed
Suitable for Capacitive Load like Piezo or Resistive Load

SPECIFICATIONS	
Power Supply	+12V
Modulation Input	SMA female, Analog Input 0-2V, offset adjustable, Max 150Hz, Sine Wave or Triangle Wave within max driving current limit
Voltage Output	0-140Vpk-pk
Max Output Current	66 mA
Heat Sink	Required, forced air or passive, consult factor for specific application
Operating Temperature	-20 – 40 C
Dimensions	100mm x 50mm x 23mm
Driver Board Operating Temperature	-40 – 60C
Max Load	Within max current load limit, capacitive or resistive

Sample Results:





1 uF Capacitive Load with 150Hz Triangle Wave Input and Sine Wave Input

Calculate Driving Current:

1. Modulate with Triangle Wave

I = 2*f*C_load*Vpk-pk

For example, the max current for 150Hz triangle modulation on 1uF load, 140Vpk-pk equals:

2*150*1e-6*140 = 42mA

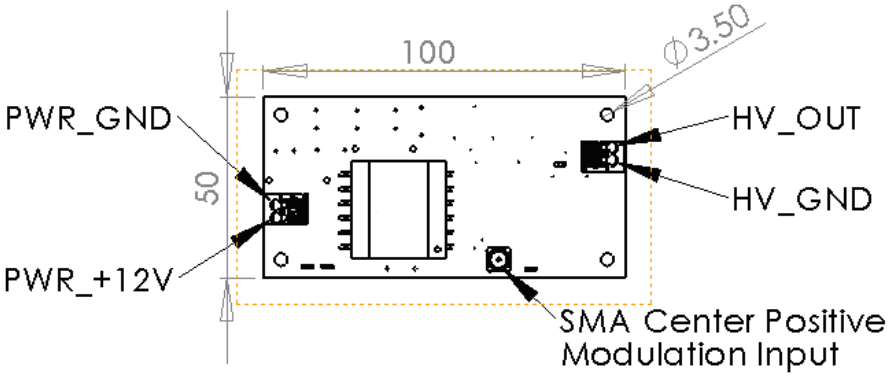
2. Modulate with Sine Wave

I = C_load*π*f*Vpk-pk

For example, the max current for 150Hz sine wave modulation on 1uF load, 140Vpk-pk equals:

1e-6*3.14*150*140 = 66mA

Mechanical Dimensions: (unit: mm)



Height: 23 mm
*heatsink not shown

To Send Quotation:
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