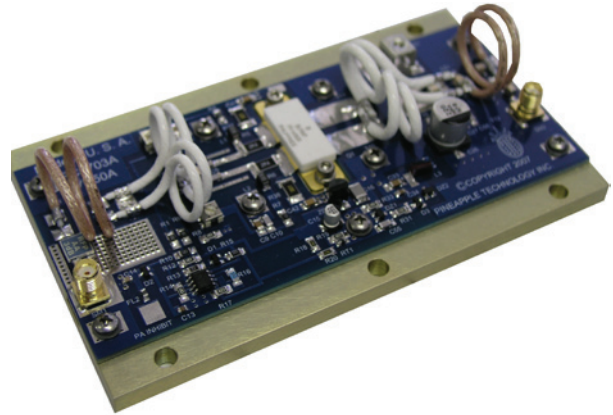


VH50A

HIGH VHF TV BROADCAST AMPLIFIER 177 TO 216 MHz

FEATURES

- Broadband Tested 176-220 MHz
- Improved Return Loss <-10 dB
- Excellent Linearity with Low Compression
- High Reliability LDMOS Technology
- SMA Input and Output Female Connectors
- Mounting Base Plate Standard Feature



The VH50A power block amplifier was designed as an IPA to drive high-power amplifiers in digital and analog applications. The use of SMA connectors and an oversized heat spreader makes this an excellent choice for transmitters where service is important.

SPECIFICATIONS

MAXIMUM RATINGS

Supply Voltage.....	34 VDC
RF Input Power	5W RMS
Overdrive for 1 Second.....	7W RMS
Base Plate Temp	75 deg C
ICQ Each Device	2 Amp

OPERATING CONDITIONS

Supply Voltage.....	32 VDC
Base Plate Temp	65 deg C
Power Output.....	50W RMS
ICQ Total.....	1 Amps
Operating Class	AB (Hard)

ELECTRICAL SPECIFICATIONS

Frequency Range.....	176-220 MHz
Power Gain.....	>12 dB
Gain Ripple	1 dB
Efficiency	32% Typical

Operating Load Mismatch	1.5:1
Compression at 50W RMS	<0.2 dB

MECHANICAL SPECIFICATIONS

Dimensions: Inches (Millimeters)

Height	1.25 (33)
Width.....	3.05 (78)
Length	3.4 (137)

Hardware

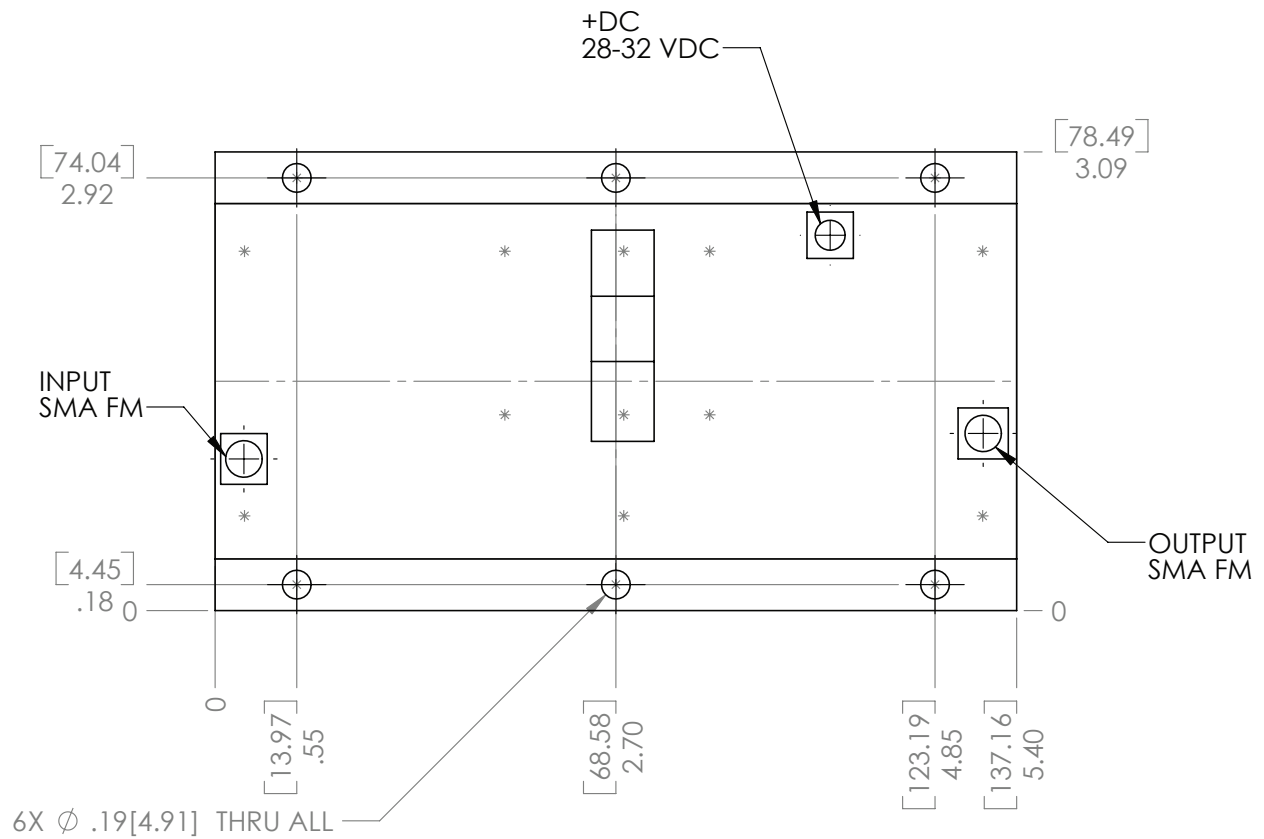
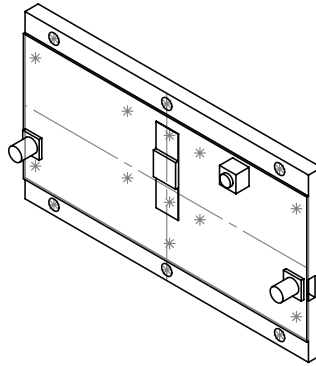
Weight	<1 lb.
RF Connector Input	SMA
RF Connector Output	SMA
DC Connectors	SMA



PINEAPPLE TECHNOLOGY, INC.

www.ptibroadcast.com

VH50A DRAWING



PINEAPPLE TECHNOLOGY, INC.

Web site: www.ptibroadcast.com

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