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**MODEL HVA-25K
Amplifier**

DATA SHEET 765

Model HVA-25K Amplifier

The Model HVA-25K driver will drive E/O Modulators with loads up to 180pF at frequencies from DC to 25 KHz. The Model HVA-25K is a useful amplifier for driver electro-optic modulators with an analog signal such as a sinewave up to 25KHz in frequency. Running off the AC mains, it features digital metered Bias output in a small size. Use to 50KHz is accomplished at reduced voltage. It can also be used with a pulsed input. The 250V output is well suited for many Lithium Tantalate and ADP crystal modulators. Its application is in the low frequency end for electronic drivers, such as, demonstrating audio range signals or data at relatively low rates.

SPECIFICATIONS

Input:	0-4V @ 1 Kohm, BNC connector
Bandwidth:	DC-25KHz - <i>Generally useful to 50KHz</i>
Rise time:	approx 10usec with a 150pf load
Amplifier Output:	290 Vpp output at 25 mA accessible via a front panel gain knob, BNC connector
Output bias for Unipolar swing:	10V for 10V-300V Unipolar swing (standard setting via front trimpot on HVA-25K)
Output bias for Bipolar swing:	145V for +/-140 V Bipolar swing for sinusoidal signals (optional setting via front trimpot on HVA-25K)
Bias Voltage:	+/- 300 V manual front panel variable @ 1 Mohm source impedance.
Aux Output connector:	9 pin D-sub connector for powering a remote driver amplifier.
Input Voltage:	100-240 VAC , 30 Watts. <i>Please select line voltage upon ordering.</i>

Modulators are available from Quantum Technology.