

# **PINTEK** High Voltage Amplifier



## **HA-400**

- 400Vp-p( $\pm 200V$  DC)
- 160mA p-p( $\pm 80mA$  DC)
- Bandwidth:  $\leq 600KHz(200Vp-p)$
- Slew Rate: 300V/us
- Gain(AMPL): 0~90(10 Turn VR)
- DC Offset:  $\leq 0 \sim \pm 200V(10$  Turn VR+SW)
- Output Resistor: 50 $\Omega$

## **HA-800**

- 800Vp-p( $\pm 400V$  DC)
- 70mA p-p( $\pm 35mA$  DC)
- Bandwidth:  $\leq 200KHz(400Vp-p)$
- Slew Rate: 200V/us
- Gain(AMPL): 0~180(10 Turn VR)
- DC Offset:  $\leq 0 \sim \pm 400V(10$  Turn VR+SW)
- Output Resistor: 100 $\Omega$



BP-253N



CE

Pintek Electronics Co., Ltd

# HA-400/HA-800 High Voltage Amplifier

(Low Power Model  $\geq 28\text{VA}$ )

## ● SPECIFICATIONS:

| FUNCTION / MODEL      | HA-400                                                         | HA-800                             |
|-----------------------|----------------------------------------------------------------|------------------------------------|
| Output Voltage(DC/AC) | $\pm 200\text{V}$ (400Vp-p)                                    | $\pm 400\text{V}$ (800Vp-p)        |
| Output Current(DC/AC) | $\pm 80\text{mA}$ /160mA p-p                                   | $\pm 35\text{mA}$ /70mA p-p        |
| Output Power(AC Peak) | 32 VA                                                          | 28 VA                              |
| Bandwidth(-3dB)       | 600KHz(200Vp-p)                                                | 200KHz(400Vp-p)                    |
| Slew Rate             | 300V/us                                                        | 200V/us                            |
| DC Offset Range       | 0 ~ $\pm 200\text{V}$                                          | 0 ~ $\pm 400\text{V}$              |
| Gain(Voltage)         | 0 ~ 90                                                         | 0 ~ 180                            |
| Output Resistor       | 50 $\Omega$                                                    | 100 $\Omega$                       |
| Protec Resistor       | 4K $\Omega$ /40Watt                                            | 15K $\Omega$ /40Watt               |
| Safe Loading          | $\geq 2.5\text{K}\Omega$ at 400Vp-p                            | $\geq 11\text{K}\Omega$ at 800Vp-p |
| AMPL. Control         | 10 Turn VR                                                     |                                    |
| Offset Control        | Switch + 10 Turn VR                                            |                                    |
| Monitor Output        | Fix 100:1(-40dB) for Oscilloscope 1M $\Omega$ Impedance        |                                    |
| Input Range           | 0~ $\pm 10\text{V}$ or 20Vp-p, 10K $\Omega$ Impedance.         |                                    |
| Dimensions/Weight     | 230(W)x170(H)x310(D)mm/ 5.0Kgs.                                |                                    |
| Power Source/Fuse     | 90~240V AC, 50/60 Hz/ 1.5A                                     |                                    |
| Output Protection     | 1. Fuse 2. Protection Resistor 3. Option(Microprocess Control) |                                    |

## ● ACCESSORIES:



## ● APPLICATION(應用說明):

- Function Generator Amplifier  
函數波形產生器波幅放大
- Programmable Power Supply up to  $\pm 200\text{V}$   
可程式電源供應器輸出至 $\pm 200\text{V}$
- Semiconductor High Voltage Driver  
半導體高壓驅動
- TFT Field High Voltage Driver  
TFT產業高壓驅動
- High Voltage Engineering / 各種高壓工程
- ATE Application / ATE 應用
- Line Driver / 線性驅動器
- Piezo Driver / 壓電驅動器
- Static Charge Engineering / 靜電科技工程
- CRT Beam Intensity Control / CRT束線密度控制

# PINTEK

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