

# HV REVERSIBLE Power Supplies for MASS SPECTRO METER

K7-R Series ±15kV to ±30kV output

1024-03P



## FEATURES

- Ultra low ripple
- High stability 0.001%/5min
- Reverse polarity control
- Constant Voltage
- Output Voltage/Current monitor

## SUMMARY

The K7-R Series is a modular supply with ultra low noise and exceptional stability.

This supply is best suitable for demanding SEM, FIB, Mass Spectroscopy, Bipolar Lens Supplies, Focus & High Voltage Bias, and low noise applications.

## OPTION

LCs CV/CC

\*Lower ripple, higher stability, and higher temperature coefficient options are available. Please consult factory.

Output Voltage	Output Current	Model	Ripple(p-p)
0 to ±15kV	450μA	K7-15R	70mV
0 to ±20kV	350μA	K7-20R	100mV
0 to ±30kV	250μA	K7-30R	150mV

## SPECIFICATIONS

<b>Input Voltage</b>	+24Vdc ±1V
<b>Input Current</b>	1.3A TYP
<b>Output Voltage Control</b>	0 to 10Vdc
<b>Reverse Polarity Control</b>	TTL (Reversing time 90%-to-90% : 1.2sec typ)
<b>Line Regulation</b>	±0.001% of max for ±1V input change
<b>Load Regulation</b>	±0.001% of max for 50% to 100% load change
<b>Stability</b>	0.001%/5min 0.005%/Hr (after 3Hr warm-up) 0.01%/Hr (after 1/2Hr warm-up)
<b>Temperature Coef</b>	0.0025%/°C
<b>Output Monitor</b>	Voltage : 0 to 10Vdc Current : 0 to 10Vdc
<b>Protection</b>	Overvoltage and short circuit
<b>Operating Temp.</b>	0 to 50 °C
<b>Storage Temp.</b>	-20 to 60 °C
<b>Accessory</b>	HV flying lead with HV PLUG (3.3feet : 1m length) Mating signal connector (15pin female D-type)

Note : These specifications are at the maximum rated output after a warm-up period.

## DIMENSIONS mm(inch)

125(4.92")W × 340(13.39")D × 73(2.87")H