

**NEW**

# K3-R series

— 3W polarity reversible —



- > Ideal for SEM · MASS
- > Ultra low noise 0.001%p-p
- > High stability 0.001%/5min
- > Output polarity change by external signal
- > Output voltage monitor

## SUMMARY

The K3-R series is an ultra low noise, highly stable HV power supply in a compact size. The output polarity can be switched using an external signal.

## LINEUP

Output Voltage	Output Current	Model	Ripple(p-p)
0kV to ±1kV	3mA	K3-1R	10mV
0kV to ±2kV	1.5mA	K3-2R	20mV
0kV to ±5kV	600μA	K3-5R	50mV
0kV to ±10kV	300μA	K3-10R	100mV

## SPECIFICATIONS

- Input Voltage** +24Vdc ±1Vdc
- Input Current** 0.5A typ.
- Output Voltage Control** External voltage source(Vcon) 0Vdc to 10Vdc
- Reverse Polarity Control** TTL level signal or open / short contact signal (Hi-Positive, Lo-Negative) Reversing time 2 sec typ.
- Line Regulation** ±0.001% of max for ±1V input change
- Load Regulation** ±0.001% of max for 50 to 100% load change
- Stability** 0.001%/5min, 0.005%/Hr
- Temperature Coef.** 0.0025%/°C
- Monitor** Voltage : 0Vdc to ±10Vdc
- Input terminal** 8 pin connector  
Mating connector and pins are assorted  
\*Crimp Tooling for Molex crimp terminal 2478, 2578  
(Input wire recommendation for all model :  
wire for pin ①, ② are AWG18  
wire for pin ③ to ⑧ are AWG22 to 18)
- Output** HV shielded cable 50cm(1.6 feet)
- Protection** short circuit
- Temperature range** Operating : 0°C to 50°C  
Storage : -20°C to 60°C

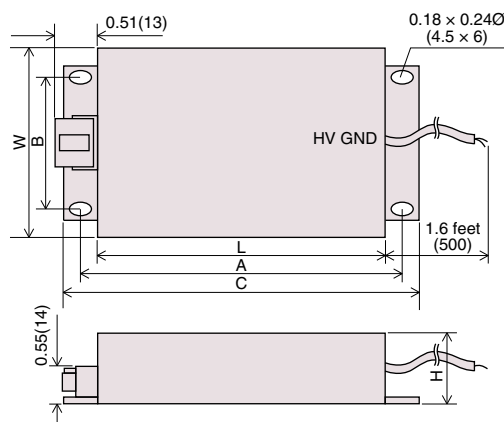
Note : These specifications are at the maximum rated output after a 4H warm-up period.

## OPTIONS

- CN8R** Assembled input connector(accessory)  
(connector with 25cm flying leads)

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

## DIMENSIONS inch(mm)



Output Voltage	A	B	C	W	L	H
0kV to 5kV	7.68 (195)	3.54 (90)	8.07 (205)	4.72 (120)	7.28 (185)	1.69 (43)
10kV	7.68 (195)	4.8 (122)	8.07 (205)	5.98 (152)	7.28 (185)	1.69 (43)

## CONNECTION DIAGRAM

