

SEM-MASS HV Power Supply

KS-R

1118-02A-1



FEATURES

- Designed for SEM-MASS and E-beam-I-beam applications
- High speed polarity change 250ms(10kV type)
- High Stability
- Ultra Low ripple noise
- Output voltage, current monitor

SUMMARY

KS-R series is an ultra low ripple, highly stable HV power supply. It is the perfect choice for SEM and MASS applications. High speed polarity change is possible with external signal.

LINEUP

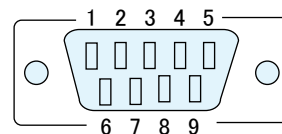
Output Voltage (kV)	Output Current (μA)	Model	Ripple (mVp-p)	Polarity change * (ms)	Input Current(A)
0 to ±10	100	KS-10R0.1	500	250	0.4(typ) 1.2(when polarity change)
0 to ±20	100	KS-20R0.1	500	500	0.5(typ) 1.2(when polarity change)

* Time to reach ±2% of set voltage. Change shall be below 1Hz.

SPECIFICATION

Input Voltage	+24Vdc ±1V
Output Voltage Control	External voltage source 0 to 10V(Vcon)
Line regulation	±0.01% of FS for ±1V input change
Load regulation	±0.02% of FS for 0 to 100% load change
Stability	0.1%/Hr(After 1/2Hr warm-up)
Temperature coef	0.005%/°C
Output monitor	Voltage: 0 to 10Vdc Current: 0 to 10Vdc
Output terminal	HV shielded cable 1m
Protection	Oversvoltage and short circuit protection
Temperature Range	Operating: 0 to 40°C Storage: -40 to 85°C
Humidity	20% to 80%RH(no condensation)
Accessory	Control connector

D-Sub CONNECTOR ASSIGNMENT



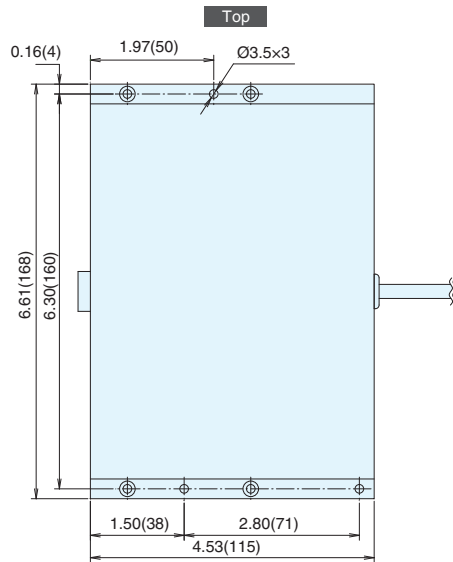
- 1 Output Voltage Monitor 0 to 10V
- 2 HV ON/OFF
(OPEN or >10V = OFF, GND or <4V = ON)
- 3 Output Current Control 0 to 10V (LCs option)
- 4 COM
- 5 Output Current Monitor 0 to 10V
- 6 Reverse Polarity
(OPEN or >10V = Negative, GND or <4V = Positive)
- 7 Output Voltage Control 0 to 10V
- 8 + 24Vdc input
- 9 + 24Vdc input return

OPTION

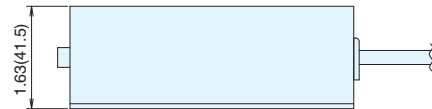
-LCs CV/CC control
(contact sales office for details)

DIMENSIONS inch(mm)

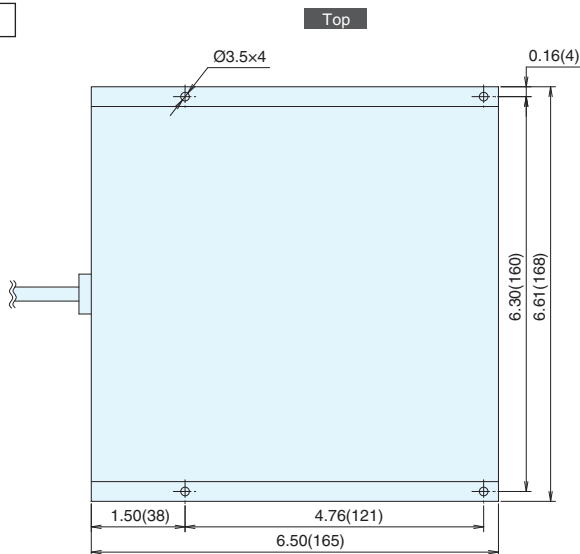
10kV



Side



20kV



Side

