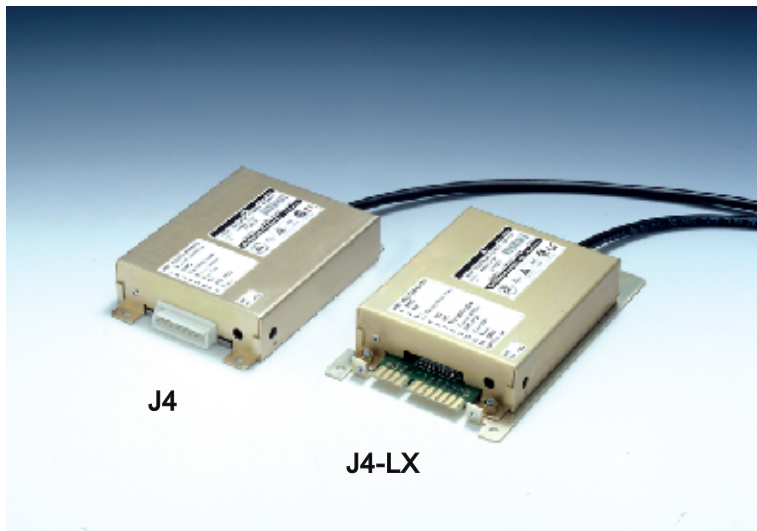


High Voltage Power Supplies

J4 Series, J4-LX Series 0.5kV to 5kV 2.5W to 4W

1017-02Pb-1



FEATURES

- Exceptional low ripple and high stability
- Remote and local programming
- Fully protected against continuous short circuit
- Optional output connector
- UL1950, TÜV, CE certified

APPLICATIONS

This model is an ultra low ripple high voltage power supply, specially developed for photomultipliers. It can also be used as a power supply for radiation detectors such as phototubes, GM tubes, and proportional counter tubes.

Output voltage (kVdc)	Output current (mA)	Model				Ripple (mVp-p)	Voltage Monitor	
		Positive output		Negative output			output(v)	impedance(Ω)
0 to 0.5	8	J4-0.5P	J4-0.5P-LX	J4-0.5N	J4-0.5N-LX	5	0 to 5	50K
0 to 1	4	J4-1P	J4-1P-LX	J4-1N	J4-1N-LX	2	0 to 1	10K
0 to 1.5	2.5	J4-1.5P	J4-1.5P-LX	J4-1.5N	J4-1.5N-LX	2	0 to 1.5	25K
0 to 2	2	J4-2P	J4-2P-LX	J4-2N	J4-2N-LX	2	0 to 2	25K
0 to 3	1	J4-3P	J4-3P-LX	J4-3N	J4-3N-LX	3	0 to 3	30K
0 to 5	0.5	J4-5P	J4-5P-LX	J4-5N	J4-5N-LX	10	0 to 5	100K

SPECIFICATIONS

Input Voltage	+24V to +30V @400mA TYP
Remote programming	An external 5kΩ potentiometer or a remote 0 to +9V source
Local programming	Internal multi-turn potentiometer
Regulation	Line : 0.001% for ±1% input change Load : 0.001% for 0 to 100% load change
Stability	0.005%/Hr 0.02%/8Hr
Temperature coef	50ppm/°C
Monitor output	Voltage monitor See table for details
Current limit	120% of maximum output current
Protection	Short circuit and arc protected
Input terminal	J4 : 8 pin connector mating connector and pins are assorted (Recommendation : wire for pin ① ② ⑥ are AWG18 wire for pin ③ ④ ⑤ ⑦ ⑧ are AWG22 to 18 Crimp Tooling for Molex crimp terminal 2478, 2578) J4-LX : 12 pin card edge connector (mating connector is assorted)
HV output cable	50cm(1.6 feet) shielded cable(flying lead)
Temperature range	Operating : 0 to 50 °C Storage : -20 to 60 °C

Note : These specifications are at the maximum rated output after a 1/2Hr warm-up period unless otherwise specified.

OPTIONS

- L15** Vin ±12V to ±18V @400mA typ
- LMH** MHV OUTPUT CONNECTOR
- LSH** SHV OUTPUT CONNECTOR
- Add "-L15" "-LMH" "-LSH" to the Model number at time of order.
(i.e. J4-0.5P-LX15MH)
- CN8R** Assembled input connector(Accessory for J4)
(connector with 25cm flying leads)



DIMENSIONS inch(mm)

