

PMT HV Power Supply

Ultra compact / Ultra low noise

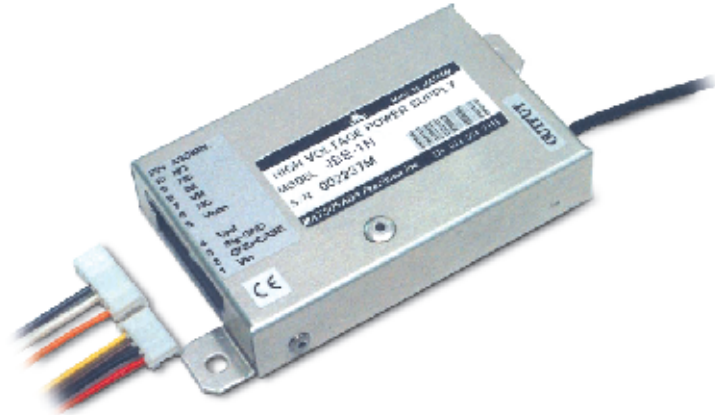
APPLICATIONS

- * PMT
- * Mass Spectrometry
- * Electron Beam / Ion Beam
- * Radiation Counter

NEW

JB series

— 2W output power —



- > Ultra low noise 1mVp-p, high stability 15ppm
- > External output control and output monitor
- > Extensive protection
- > Broad output range
- > EN 60950 approved

SUMMARY

The JB series is an exceptional, high performance PMT power supply. Barely larger than a business card, its features include ultra-low noise(1mV) and a highly stable output(15ppm). It is also an excellent choice for photo tubes, GM tubes, and radiation counters.

LINEUP

Output voltage (kVdc)	Output current (mA)	Model				Ripple	
		Positive output		Negative output		HF	LF
0 to 0.3	8	JB-0.3P	JBE-0.3P	JB-0.3N	JBE-0.3N	1mVp-p (>5kHz)	4mVp-p (≤5kHz)
0 to 0.6	3	JB-0.6P	JBE-0.6P	JB-0.6N	JBE-0.6N		
0 to 1	2.5	JB-1P	JBE-1P	JB-1N	JBE-1N		
0 to 1.5	1.5	JB-1.5P	JBE-1.5P	JB-1.5N	JBE-1.5N		
0 to 2	1	JB-2P	JBE-2P	JB-2N	JBE-2N		

SPECIFICATIONS

- Input Voltage** +24V±10% @300mA typ.
- Output Voltage** An external 5kΩ potentiometer or a remote 0 to +10V source (input impedance 100kΩ typ)
- Control**
- Regulation** Line : 20ppm for ±1V input change
Load : 20ppm for 0 to 100% load change
- Stability** 15ppm/15min, 50ppm/8hr
- Temperature coef.** 50ppm/°C max, 20ppm/°C typ
- Vref out** 10V±2%, 50ppm/°C
- Monitors** Voltage & Current, 0 to +10V ±2.5% accuracy (output impedance 10kΩ typ)
- Current limit** 120% of maximum output current
- Protection** Short circuit and arc protected
- Input terminal** Input : JB : Connector
Connector housing (MOLEX)
4 PIN 22-01-2045
5 PIN 22-01-2055
CRIMP PIN : 08-50-0032
JBE : Connector (mating connector with 1 foot (30cm) leads assorted)
Connector is EHR (JST)
Output : 1.6 foot (50cm) RG-174u cable
Operating : -10 to 50°C
Storage : -20 to 70°C
- Temperature range**

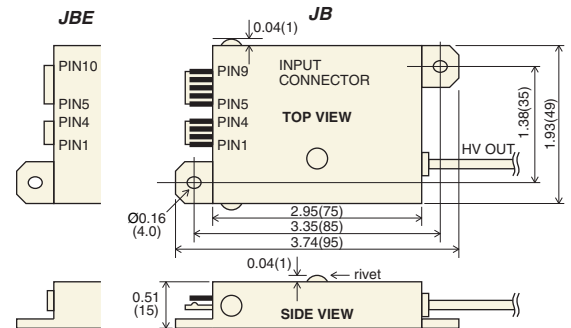
Note : These specifications are at the maximum rated output after a 1Hr warm-up period unless otherwise specified.



OPTIONS

- LMH** MHV OUTPUT CONNECTOR
 - LSH** SHV OUTPUT CONNECTOR
 - CN4-JB & CN5-JB** Assembled input connector(accessory) (connector with 25cm flying leads)
 - CN4-JBE & CN5-JBE** Assembled input connector(accessory) (connector with 30cm flying leads)
- Add L Mark to the Model number at time of order. (i.e. JB-0.6P-LMH)

DIMENSIONS inch(mm)



CONNECTION DIAGRAM

