

Series GM24

INK JET PRINTER POWER SUPPLIES



FEATURES

- 0.3W output power
- Compact
- Lightweight
- High reliability
- Dual tracking outputs
- Flashover detection available
- CE Marked (LVD)

DESCRIPTION

The Series GM24 is part of a range of compact DC-DC converters developed to fulfil the specific requirements of continuous ink jet printers. The Series GM24 is also suitable for general electrostatic and electron beam deflection and focussing applications.

HiTek Power's ink jet printer DC-DC converters supply a source of reliable high voltage critical to the performance of continuous ink jet printers. These units supply the necessary voltage for the deflector plates, often dual tracking outputs variable between 0 and ± 5 kV. A flashover sensing circuit which can trigger system shutdown should flashover occur is available as an option. All models are internally protected against flashover.

SPECIFICATION

Output Power:
0.3W.

Output Voltage Range:
0 to 5kV DC (output proportional to input).

Input Voltage Range:
0 to 24V DC.

Dual Tracking Outputs:
One positive polarity, one negative polarity.

RoHS:
The Series GM24 is currently built to non-RoHS standard. This unit can, however, be configured to meet the requirements of RoHS where significant customer demand requires it, although please note that this will have an impact on delivery timescales.

Model GM24-5KPN is the basic ink jet printer high voltage power supply:

Output Connectors:
2mm sockets.

Safety feature:
10M Ω impedance in series with each output.

Model GM24-5KPN-SEC has the addition of flashover sense circuitry and standard high voltage output connectors:

Output Connectors:
Standard high voltage moulded plugs and sockets.

Safety feature:
10M Ω impedance in series with each output and flashover sense circuit.

Safety:
This DC-DC converter meets the requirements of the Low Voltage Directive (LVD) 73/23/EEC, by complying with BS EN60950 when it is installed as a component part of other equipment and is CE marked accordingly.


Mechanical Specification (for both units):
Dimensions: See outline drawing.
Weight: 415g (15 oz)

Outputs and ordering information:

Model no	Input Voltage	Output Voltage	Output Power
GM24-5KPN	0 to 24V	0 to 5kV	0.3W
GM24-5KPN-SEC	0 to 24V	0 to 5kV	0.3W

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 These component power supplies meet the requirements of EC Directive 73/23/EEC (LVD).

Drawing dimensions are in mm (inches)
Design developments may result in specification changes

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