

T o F 1000

Floating Output High Voltage PSU.

Total Power	15 Watt
Input Voltage	24VDC Nominal
# of Outputs	Single

SPECIAL FEATURES

- Isolated output to 1kV
- Buffered voltage monitor
- Fully screened metal case construction
- Short circuit & flashover protected

ENVIRONMENTAL

Temperature Operating 0 to +40°C.
 Storage -10 to +75°C.

Humidity (RH) <80% non-condensing.

Pollution categories II

SAFETY

UL3101-01



ELECTRICAL SPECIFICATION

Input voltage range	+24V dc \pm 10%
Input current (full load)	<1.2A.
Output voltage range	400V to 1kV, operating range.
Output polarity	Uncommitted, either pole may be grounded.
Output load current	0 to 15mA, maximum.
Output impedance	11M ohms internal to ground.
Control of output	Analogue input from 0V to +10V varies the output from zero to 1kV.
Line regulation	<1000ppm for a 10% change of the input voltage.
Load regulation	<1000ppm zero to full load.
Temperature coefficient	<100ppm per 1°C.
Drift (after 3h warm up)	<200ppm, over 1 hour period.
Ripple (across outputs)	<500mV pk-pk into full load.
Isolation	1kV total to 0V chassis. Designed for either pole to be connected to ground
Protection	Electronically protected against overload and short circuit.
Output monitor	0 to +10V for 0 to 1kV across the HV outputs Accuracy: <10% o/p Z : <2k5 ohm.

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MECHANICAL SPECIFICATION

Dimensions (lbh)	169 x 104 x 38 mm (6.65" x 4.09" x 1.50" approx)
Weight	600g (18 oz.) approx.
Mounting centres	141 x 96.5 mm, 4 off M3 clearance (5.55" x 3.80" approx)

CONNECTIONS

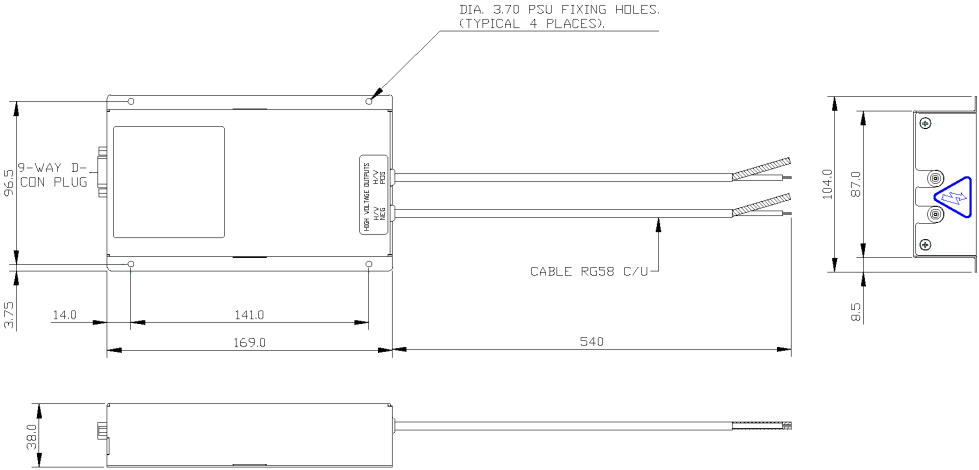
Input & control connector	9 way "D" type plug.	
Pin 1	0V supply return	
Pin 2	+Ve control i/p.	
Pin 3	+24V supply.	
Pin 4	+24V supply.	
Pin 5	V. monitor o/p	
Pin 6	0V supply return.	
Pin 7	Not connected.	
Pin 8	Not connected.	
Pin 9	Not connected.	
Output	2 off	RG58C/U .5m long.

ORDERING INFORMATION

Input Voltage	Output Voltage	Output Current	Output Polarity	Ordering Code
24V dc Nominal	1kV	15mA	Floating	462-401

Other output voltages and connector options available upon request.

DRAWINGS



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