

PHOTOMULTIPLIER POWER SUPPLY PS2010/12

DESCRIPTION

The PS2010/12 is a compact modular positive power supply that provides up to +2000 V from a +12 V supply. This is a high performance power supply and yet has low power consumption.

APPLICATIONS

- For use where low power consumption is important
- For use with active or conventional voltage dividers with a total resistance of Ω 20 MW

FEATURES

- Compact size
- Low power consumption
- Highly stable output
- Output voltage monitor

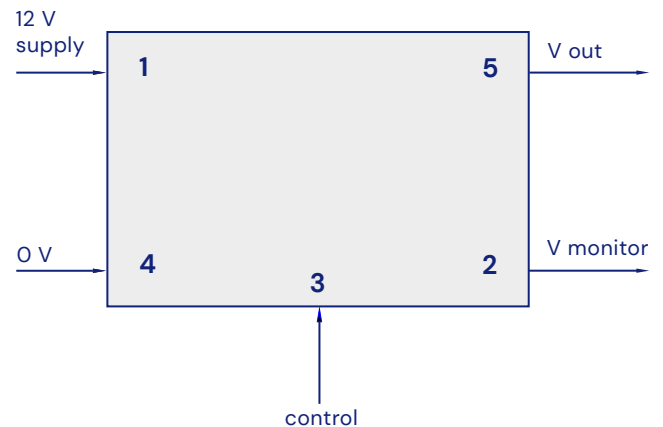
CHARACTERISTICS

INPUT VOLTAGE RANGE +11.75 to +12.25	OUTPUT RIPPLE P-P (20 MΩ/10 PF) < 40 mV
INPUT CURRENT (FULL LOAD) < 27 mA	OUTPUT VOLTAGE MONITOR 0 to 4.76 V
POLARITY REVERSAL unprotected	VOLTAGE MONITOR IMPEDANCE 10 M Ω
HIGH VOLTAGE 0 to + 2000 V	POWER DISSIPATION 325 mW
OUTPUT CURRENT (AT 2000 V) MAX. 100 μ A	PROGRAMMING OPTIONS External control voltage 0 to 2.44 V
V OUT STABILITY < 0.01 % $^{\circ}$ C ⁻¹	TEMPERATURE Operating 0 to 60 $^{\circ}$ C Storage -10 to + 70 $^{\circ}$ C

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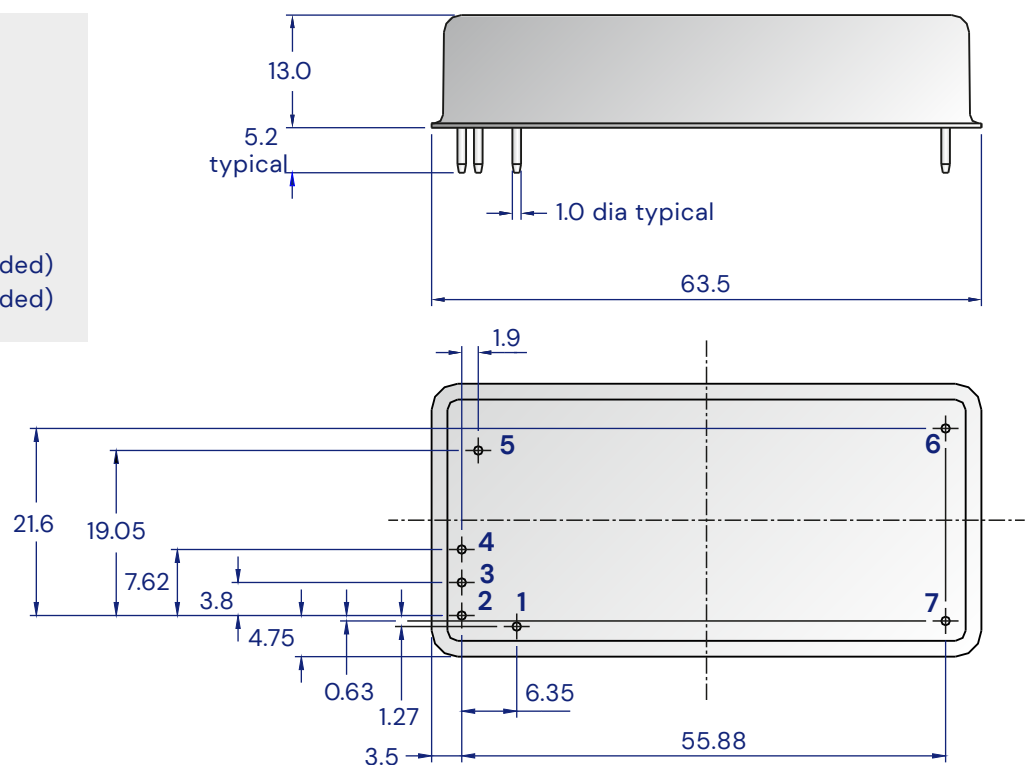
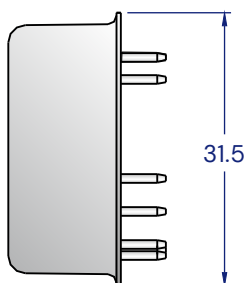
PROGRAMMING



EXTERNAL DIMENSIONS (MM)

Pin connections

Pin 1	+12 V supply
Pin 2	monitor output
Pin 3	control input
Pin 4	ground
Pin 5	V out
Pin 6	support (grounded)
Pin 7	support (grounded)



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WARNING

High voltages generated by this product may present an electrical shock hazard. It should be installed and serviced only by qualified personnel and operated in accordance with the specified ratings.

Operation beyond the maximum ratings, or reversal of the input voltage may result in loss of performance or permanent damage. The maximum voltage rating of the photomultiplier used with the power supply must not be exceeded.