

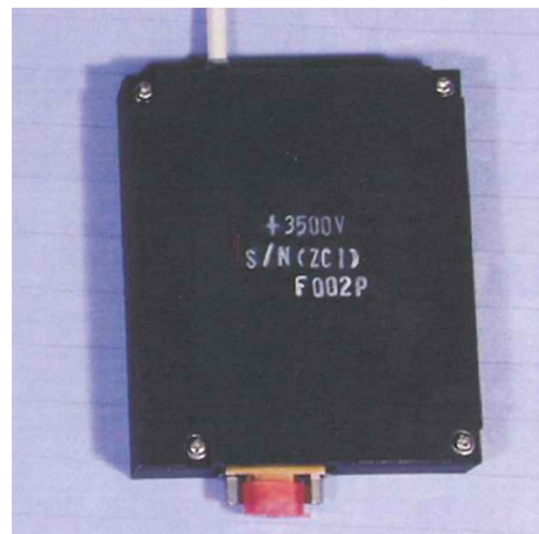
High Voltage Power Supply for Spacecraft



Fixed HVPS (+2000V)



Sweeping HVPS (+5000V)



Fixed HVPS (Left: +1500V , Right: +3500V)

Outline

This instrument is a HVPS (high voltage power supply) to be installed on scientific satellite for supplying voltage to detectors in the space environment.

Heritage:

ISS, Exposed Facility (MAXI)
Lunar explorer, SELENE/KAGUYA

Features

- Space qualified
- Compact, light weight and low power consumption design
- Vibration and shock resistant
- Max 5kV (analog voltage) output

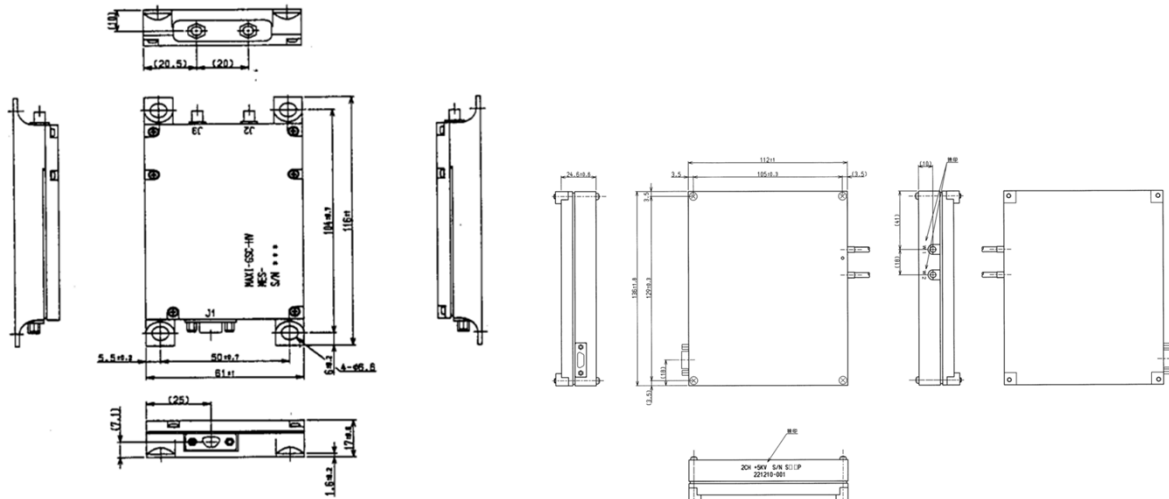
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Fixed(+2kV) / Sweeping HVPS Specifications

Electrical Performance	Output voltage range	0V to +2000V (Fixed) / 0V to +5000V (Sweeping)
	Max output current	More than 100 μ A (Fixed) / More than 5 μ A (Sweeping)
	Output ripple voltage	Less than 100mVp-p (Fixed/Sweeping)
	Input voltage range	+11.5V to +13.0V (DC)/-11.5 V to -13.0V (DC) (Fixed/Sweeping)
	Reference voltage range	0 V to 5V (Fixed) / 0 V to 3.5V (Sweeping)
	Monitor output voltage range	Value 1/400 (Fixed) / Value 1/1000 (Sweeping) shall be indicated.
	Power consumption	Less than 450mW (No load, within the temp. range, power supply voltage \pm 12V, and 2000V output) (Fixed)
	Rising time	0 to 1.3 kV: Less than 2msec (10% to 90%) (Sweeping)
	Falling time	1.3kV to 0 kV: Less than 2msec (10% to 90%) (Sweeping)
Mechanical Performance	Shape	As indicated below (Fixed/Sweeping)
	Mass	Max 270g (Sweeping)

* The specifications will be tailored to suit your needs.

Shape for Reference



Fixed high voltage power supply (+2000V)

Sweeping high voltage power supply (+5000V)



Caution

- Specifications and designs are subject to change without notice.
- Specifications and designs are based on the standard model. Please contact us regarding further customization to suit your project's needs.
- This products may be subject to the application of the Foreign Exchange and Foreign Trade Act and other related laws and regulations in Japan. Customer agrees to comply with such regulations and acknowledges that it is their responsibility to obtain any required licenses to export, re-export, or import this products.
- We shall not be liable for any damages arising out of or in connection with the use of specifications herein, including liability for lost profit, business interruption, or any other damages whatsoever.
- The printed colors may appear difficult from the actual product.

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