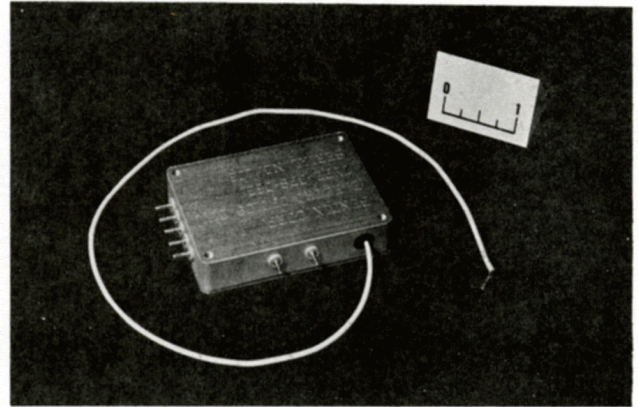




MINIATURE HIGH-VOLTAGE POWER SUPPLY FOR CHANNELTRON[®] ELECTRON MULTIPLIER

DESCRIPTION:

Bendix low-current, high-voltage power supply provides the electrical output for operating Channeltron[®] Electron Multipliers. When operated from a 28 volt dc source the Type OPS-0301 Power Supply provides an output of 3400 volts at a load current of up to 30 microamperes. This is sufficient to operate 10 Channeltron[®] Electron Multipliers. The Type OPS-0301 Power Supply will operate over the broad ranges of temperature, pressure and vibration encountered in launch and flight of space experiments.



CHARACTERISTICS *:

Output voltage: 3400 \pm 100 volts. Two external terminals are provided for soldering of a 1/8 watt resistor which can be selected to obtain this output at any load current from 0 to 30 μ a.

Load current: 0 to 30 microamperes

Input voltage: + 28 $\begin{smallmatrix} +5 \\ -4 \end{smallmatrix}$ volts dc

Input power at 28 volts input:

65 milliwatts maximum at no load output

300 milliwatts maximum at 30 μ a load current

Output ripple: 50 mv pp maximum with all grounds common

Input voltage regulation: 60 vdc maximum change in output voltage for a 24 to 33 vdc input range

Load regulation: 60 volts per microampere load, maximum

Monitor voltage: 0 to 5 volts

Size: 2.4" x 1.75" x 0.5"

Weight: 80 grams maximum

Temperature: -20[°]C to +60[°]C operational

-65[°]C to +125[°]C storage

Pressure: 500 to 900 Torr and 5 x 10⁻⁵ Torr or less

Will survive 1 minute in the intermediate range

*All characteristics at +25[°]C unless otherwise specified

FOR FURTHER INFORMATION CONTACT:

MARKETING DEPARTMENT

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