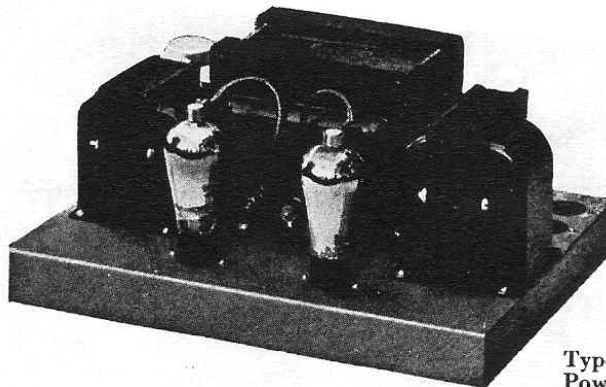


Collins Transmitters

Bulletin 200

Sheet 5



Type 1200A
Power Unit

TYPE 1200B POWER SUPPLY

The Type 1200B Power Supply is an improved Unit, designed for use with tubes of the 503A-511 type. Voltage regulation is excellent, making it well suited to Class B modulation systems.

Tubes Employed — Two 566 Mercury Vapor Rectifiers.

Circuit — Full wave rectification with choke input and high C filter.

Degree of Filtering — Filtering is adequate for amateur phone work since the resulting carrier hum is below audibility on most short wave receivers. It provides an absolutely pure D.C. note for C.W. work. For broadcast applications where complete freedom from carrier noise is required, additional filter sections can be supplied.

Power Output —

High voltage	1100-1000 V. D.C.	400 M.A.
Filament supply	10 V. A.C.	15 A.

Source of Power — 110 V. 60 cycle A.C.

Recommended Use — The 1200B Power Supply is especially designed for use with one 503A Class C or two 503A's in push-pull Class C for C.W. transmission, or as a power supply for both the modulators and the modulated amplifier when two 503A's Class B are used to modulate one 503A Class C R.F. amplifier.

Chassis — White nickered steel, 13" x 17 $\frac{7}{16}$ " x 8 $\frac{3}{4}$ " high. Suitable for relay rack mounting. Provision for fuse and cable connections.

Price — Less tubes.....\$65.00

(Type 1200B Power Supply replaces Type 1200A)

TYPE 2500A POWER SUPPLY

The 2500A Power Supply is designed for use with a high power C.W. Transmitter such as the COLLINS Type 200A.

Tubes Employed — Four 566 Mercury Vapor Rectifiers.

Circuit — Choke input with special provision for obtaining intermediate voltage without use of dropping resistor. Bleeder resistor is external and not included in price.

Degree of Filtering — Adequate to provide a pure D.C. note. Good regulation prevents surges and chirps when the Transmitter is keyed.

Chassis — White nickered steel, 18" x 17 $\frac{7}{16}$ " x 10 $\frac{1}{2}$ " high. Suitable for relay rack mounting. Provision for fuse and cable connections.

Power Output —

High voltage	2500 V. D.C.	350 M.A.
Intermediate voltage	1250 V. D.C.	100 M.A.
Filament voltage	10 V. A.C.*	15 A.

(* 11 V. filament winding also available on order.)

Source of Power — 110 V. 60 cycle A.C.

Price — Less tubes.....\$95.00