MECHANICAL DATA

Cathode:	Oxide coated, Unipotential.
Dimensions:	Per outline.
Base:	Octal.
Base Connections:	

Pin 1:	Cathode & heater.	Pin 5:	Control electrode
Pin 2:	Heater.	Pin 6:	Internal connection
Pin 3:	Control electrode.	Pin 7:	Cathode & heater.
Pin 4:	Control electrode.	Pin 8:	Cathode & heater.

Flanges:	UG-344/U
Cooling:	Forced air, 20 cfm
Mounting Position:	Any
Weight:	2 pounds.

ELECTRICAL DATA

RATINGS: (Absolute Maximum Values)

Beam voltage:	625 volts
Beam current:	140 Ma
Control electrode voltage (respect to cathode):	0 to -50 volts
Control electrode current:	2.0 ma
Beam power input (d.c.):	100 watts
Operating temperature (shell):	100 °C

CHARACTERISTICS:

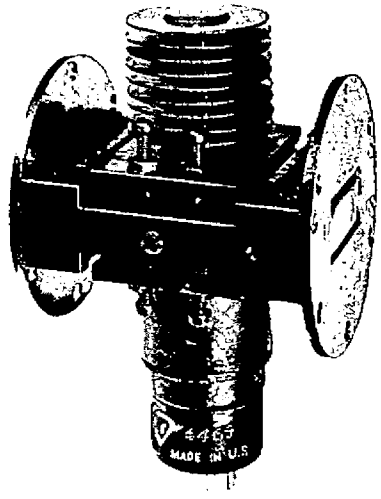
Capacity (gun to shell):	7.5 uuf
Output resonator bandwidth: (min.)	25 mc
Buncher resonator bandwidth: (min.)	20 mc
Input resonator VSWR at band center: (max.)	1.4
Tuning range:	6800 to 7175 mc
Heater voltage:	6.3 ± 10%
Heater current (nominal)	2.0 amps

APPLICATION DATA

The type 6466 Klystron amplifier is designed for CW service as master oscillator, power amplifier, or synchrodyne mixer in studio television relay link or similar services. It features two independently tuned integral cavities, usable with lower output outside the specified frequency range.

QUICK REFERENCE DATA

Former designation K485. The Sylvania Type 6466 is a 6800-7175 mc Klystron amplifier with two mechanically tuned built-in cavities. It will provide 6-9 watts output over the specified frequency range.



SYLVANIA ELECTRIC PRODUCTS, INC.
Electronics Division
Woburn, Mass.

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6466