MECHANICAL DATA

Cathode: Oxide coated, Unipotential.
Dimensions: Per outline.
Base: Octal.
Base Connections:
- Pin 1: Cathode & heater.
- Pin 2: Heater.
- Pin 3: Control electrode.
- Pin 4: Control electrode.
- Pin 5: Control electrode.
- Pin 6: Internal connection.
- Pin 7: Cathode & heater.
- Pin 8: Cathode & heater.
Flanges: UG-3½/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 ºC

CHARACTERISTICS:
- Capacity (gun to shell): 7.5 muf
- Output resonator bandwidth: (min.) 25 mc
- Buncher resonator bandwidth: (min.) 20 mc
- Input resonator VSWR at band center: (max.) 1.1
- 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 synchronyde 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.

from JETEC release #1370, Nov. 8, 1954
FLANGES MATE WITH UG 343/U CHoke FLANGES

GROUND CONNECTION

7/32 DIA. THRU BOTH FLANGES-6 PLACES EQUALLY SPACED ON 2.750 DIA. BC

PIN CONNECTIONS
PINS 1, 8, 7 - CATHODE-HEATER
PIN 2 - HEATER
PINS 3, 4, 5 FOCUS ELECTRODE
PIN 6 - INTERNAL CONNeCT.

SCALE-FULL