**ADVANCE DATA**

**MECHANICAL DATA**
- Base: B8-32 Octal
- Reflector Terminal: CL-1 Small Cap
- Mounting Position: Any
- Waveguide Output: Mates with UG343/u

**GENERAL DATA**
- Frequency: 7125 to 7425 mc
- Mechanical Tuning Range: 300 mc
- Output Power: 0.7 to 1.7 w
- Electronic Bandwidth: 30 to 60 mc
- Modulation Sensitivity: 275 to 500 kc/volt
- Beam Modulation Sensitivity: 125 kc/volt
- Reflector Voltage: 0 to 1000 volts
- Tuning (approx.): 650 mc/turn

**ELECTRICAL DATA**

**MAXIMUM RATINGS**
- Heater Voltage: 6.3 volts
- Beam Current: 80 ma
- Reflector Voltage: 1000 volts
- Beam Voltage: 750 volts

**TYPICAL OPERATION CONDITIONS**
- Heater Voltage: 6.3 volts
- Heater Current: .80 amps
- Beam Voltage: 750 volts
- Beam Current: 70 ma
- Reflector Voltage: 320 volts
- Frequency: 7125 to 7425 mc
- Power Output (across band) (average): 1.0 watt
- Mode: 3-3/4
- Bandwidth at Half Power Points: 34 mc

*Beam Voltage may be reduced with consequent reduction in power - information upon request.*

**APPLICATION DATA**

The Sylvania 6L70 is designed as a CW oscillator for use in microwave relay link service or as a local oscillator with long life, good frequency temperature characteristics, controlled output impedance characteristics and convenient tuning arrangements.

**QUICK REFERENCE DATA**

The Sylvania Type 6L70 is an integral cavity, waveguide output, klystron covering the frequency range 7125 to 7425 megacycles.

**VIEW A-A**

**SYLVANIA ELECTRIC PRODUCTS INC.**

**ELECTRONICS DIVISION**

**WOBURNE, MASS.**

from JETEC release #1357, Sept. 20, 1954