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 6125 to 6425 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 ma
Beam Voltage 750 volts
Beam Current 70 ma
Reflector Voltage 320 volts
Frequency 6125 to 6425 mc
Power Output (across band) (average) 1.0 watt
Mode 3-3/4
Bandwidth at Half Power Points 30 mc

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

APPLICATION DATA

The Sylvania 6468 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.

SYLVANIA ELECTRIC PRODUCTS INC. ELECTRONICS DIVISION WOBURN, MASS.

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