ADVANCE DATA

M E C H A N I C A L D A T A

Base: B6-32 Octal
Reflector Terminal: Cl-1 Small Cap
Mounting Position: Any
Waveguide Output: Mates with UG34b or UG34b/u

G E N E R A L D A T A

Frequency: 6575 to 6875 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

E L E C T R I C A L D A T A

M A X I M U M R A T I N G S

Heater Voltage: 6.3 volts
Beam Current: 80 ma
Reflector Voltage: 1000 volts
Beam Voltage: 750 volts

T Y P I C A L O P E R A T I O N C O N D I T I O N S

Heater Voltage: 6.2 volts
Heater Current: 80 amps
Beam Voltage: 750
Beam Current: 70 ma
Reflector Voltage: 320
Frequency: 6575 to 6875 mc
Power Output (across band)(average): 1.0 watt
Mode: 3-3/4
Bandwidth at Half Power Points: 3/4 mc

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

A P P L I C A T I O N D A T A

The Sylvania 6469 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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