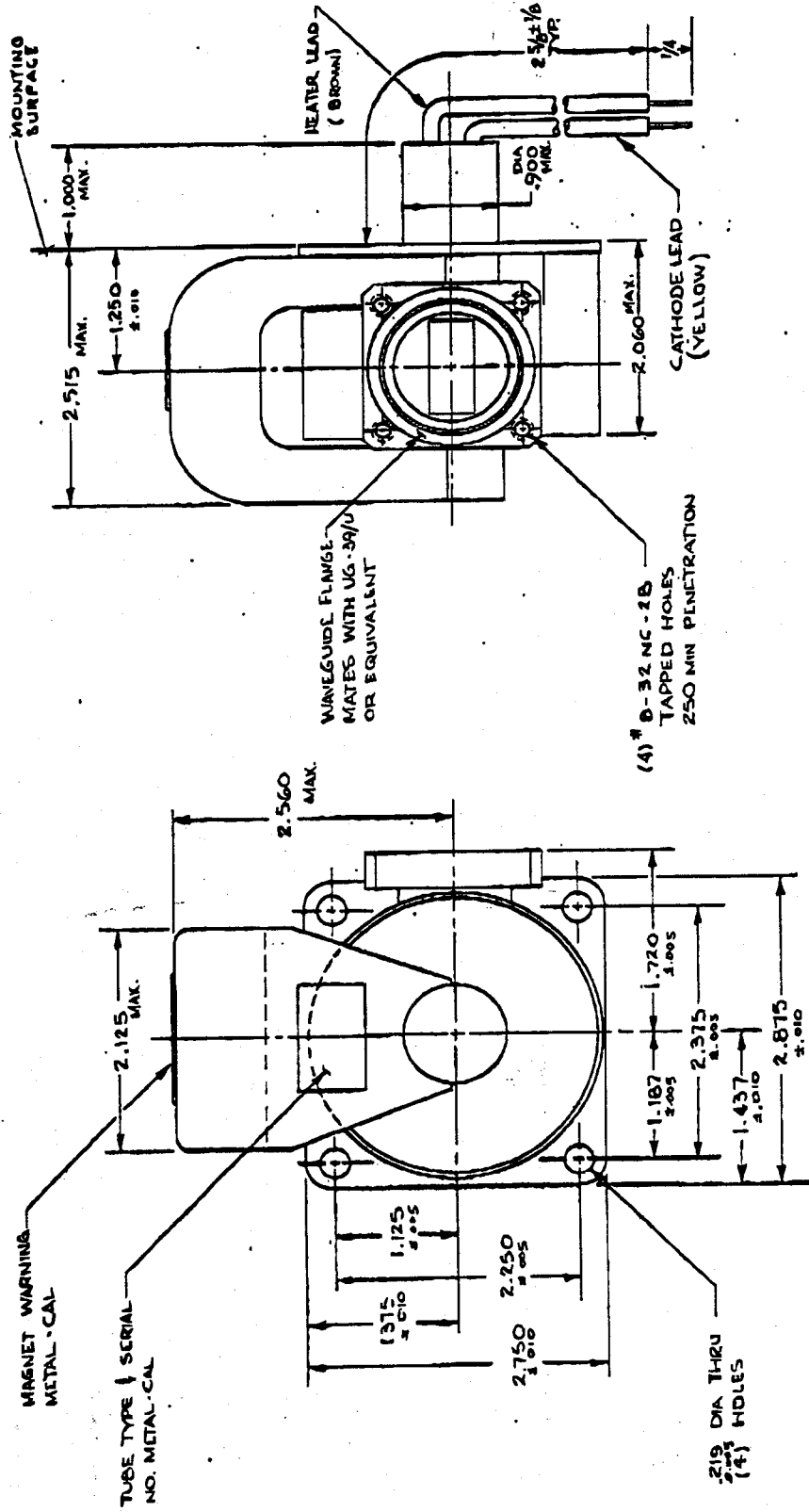
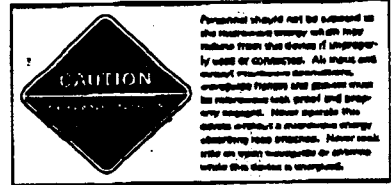


COAXIAL PULSE MAGNETRON

L-5274



COAXIAL PULSE MAGNETRON

L-5274

**7.5 Kilowatts Minimum Peak Power
Fixed Frequency 9345 ± 20 MHz**

This X-band, coaxial magnetron is specifically designed to provide long life in commercial airborne weather radar applications. While it is not a direct mechanical replacement for the 2J42 and 2J42H magnetrons, it is recommended for new equipments requiring this performance.

OPERATING CONDITIONS

Heater Voltage (Standby) 6.3 V
 Heater Current 1.7 A
 Pre-heat Time Min. 60 sec.
 Pulse Voltage 4.0 to 4.5 kv
 Pulse Current 4.5 A
 Time of Steepest Rise of Voltage Min. 0.1 μsec

ABSOLUTE MAXIMUM RATINGS

Heater Voltage 13.8 V
 Heater Surge Current 6.0 A
 Pulse Voltage 5.0 kv
 Pulse Current 6.0 A
 Pulse Length 6.0 μsec.
 Duty Cycle 0.0013
 Anode Temperature 150° C
 VSWR 1.3:1

PERFORMANCE CHARACTERISTICS

Peak Power Min. 7.5 kw
 Fixed Frequency 9345 ± 20 MHz
 Pulling Figure (1.3:1 VSWR) Max. 5 MHz
 Anode Temperature Coefficient Max. 0.25 MHz/°C
 Altitude 65,000 Feet

MECHANICAL RATINGS

Mounting Position Any
 Weight Max. 2.5 lbs.
 Anode Cooling Forced Air or Conduction

