MECHANICAL DATA
Dimensions ............................................ Per Outline
Mounting Position ................................... Any (two gaskets supplied with each tube)
Ambient temperature range ....................... (non-operating)
-40 to +100°F ........................................... C
Net weight (Approximately) ....................... 0.11 lbs.

ELECTRICAL DATA

GENERAL DATA
Center Frequency ..................................... 9375 Mc

RATINGS (Absolute)
Transmitter Peak Power (min.) ..................... 4 KW
(max.) .................................................. 500 KW

TYPICAL OPERATION
Power Output ......................................... 200 KW
Duty Cycle ........................................... 0.001
o- ...................................................... 1.2 to 1.0
Frequency ........................................... 9375 Mc

LOW LEVEL CHARACTERISTICS
Loaded Q (Center Frequency) ....................... 8.0
Tuning Conductance (Center Frequency) G/Yo ..... 0.1
Tuning Susceptance (Center Frequency) B/Yo ..... ± .06

HIGH LEVEL CHARACTERISTICS
Arc Loss (max.) (Note 1) .......................... 0.8 db
High Level VSWR (Note 2) .......................... 1.10
Firing Time (Note 3) ................................ 0.10 sec.

Note 1: The power loss in the arc shall be less that 680 peak watts.

\[
P_{\text{PL}} = \frac{P}{4000 - 680} = 1.20 \text{ (0.8 db)}
\]

Note 2: \( P_0 = 200 \text{ kw}; \) \( t_p = 1.0 \mu \text{sec}; \) \( \text{pr} = 1000; \) 9375 Mc;
Load VSWR = 1.03 (max.), VSWR of tube 1.1 to 1.0

Note 3: \( P_0 = 4 \text{ kw}; \) \( t_p = 0.45 \text{ to } 0.65 \mu \text{sec}; \) \( \text{pr} = 1000 \)
NOTES:
1. The tabulation shall fall within a circle of \(\frac{3}{8}\) inch max. diameter located from the centerlines of the flange.
2. Silver plate 100 M.S.I. or equivalent.
3. Applies at all edges of bottom face of end plate only.
4. Centerlines of window shall coincide with corresponding centerlines of body within .015 inch. This measurement shall be made in the plane of the window.