

TYPE DESIGNATION REGISTRATION

from JEDEC release #3260, May 8, 1961

TYPICAL OPERATING VALUES

Frequency 15500 to 17500 Mc
 Peak Anode Voltage at 17.5 kmc. 17.5 kv
 Pulling Figure (VSWR 1.5/1) 6 Mc

Current Pulse Duration	Duty Factor	Peak Anode Current	Stability	Peak Power Output	Voltage Pulse Rate-of-Rise	RF Band width at 1/4 po pts.	Heater Voltage
μsec		Amperes	% Missing Pulses	Kilo-watts	KV per μsec (above 50 % point)	6' = 1.5:1 worst phase Mc	Volts±5%
0.25	0.0007	17	0.01%	105	100	4.5 Mc	8.8
0.25	0.0007	19	0.01%	130	100	4.5 Mc	8.6
3	0.001	19	0.01%	130	100	0.6 Mc	6.8

GENERAL MECHANICAL CHARACTERISTICS

Mounting Position. any
 Mounting Support See 4 hole
 Mounting Plate in outline drawing
 Weight 14 lbs. Max.

Coupling between Tube and Load:

Waveguide (RG91/U) per outline drawing. The mating flange may be UG419/U cover flange or a modified (clearance holes instead of tapped 6-32) UG541/U choke flange.

Cooling Data

To limit rise in body temperature to 100°C for a dissipation of 200 watts - 10 cfm, min.

Recommended cathode stem temperature 225°C ± 25°C.

Pressurization of Output Circuit

The need for pressurization depends on the particular components used in the output circuit and on the pulse width. In general, it is recommended that the output circuit be pressurized for peak anode currents greater than 15 amperes.

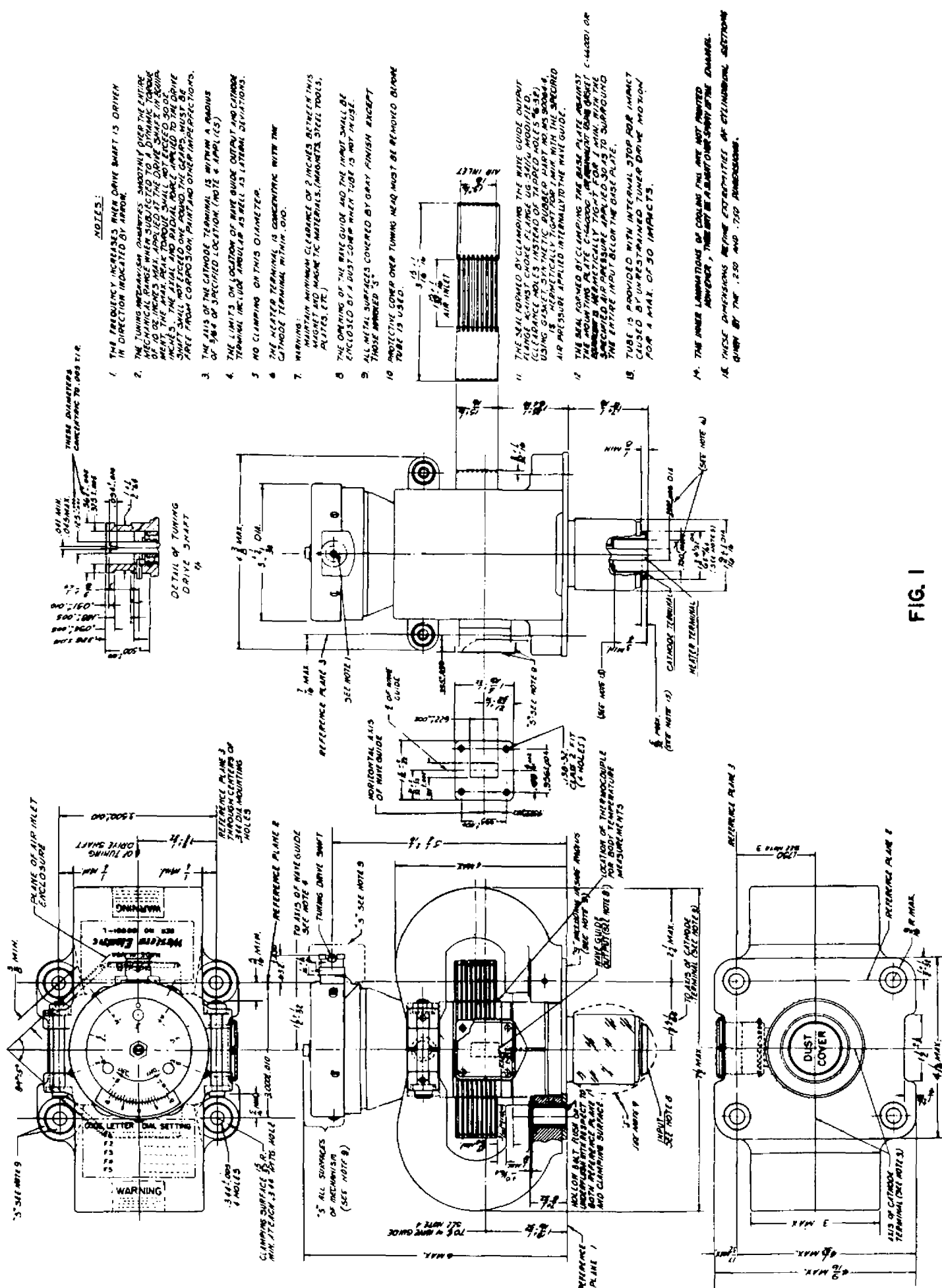


Fig. 1