

IDENTIFY DATA

615

RAYTHEON

615

GENERAL CHARACTERISTICS

A microwave oscillator of the single cavity (integral) reflex type designed for operation in the frequency range from 5100 to 5900 megacycles with a minimum power output of 70 milliwatts at 5500 MC.

Heater Voltage (AC or DC)	6.3 Volts
Heater Current	640 MA.
Frequency Range	5100 to 5900 MC

MAXIMUM RATINGS

DC Resonator Voltage	330 Max. Volts
DC Resonator Current	35 MA.
DC Reflector Voltage	350 Vdc.
Heater-Cathode Potential	43 Volts

TYPICAL OPERATION

Resonator or Shell Voltage	330 Volts DC
Frequency	5100 - 5900 MC
Reflector Voltage (Mode A) Max. P.O.	
5100 MC	-25 to -145 Volts DC
5900 MC	-135 to -205 Volts DC
Power Output (Mode A) 5100 to 5900 MC	70 mW minimum 95 mW Average
Resonator Current	30 mA DC
Reflector Current	7 uA Max
Electronic Tuning (P.O./2) 5100 to 5900 MC	30 MC Min.
Temperature Coefficient	1.05 to 1.10 Mc/°C

MECHANICAL

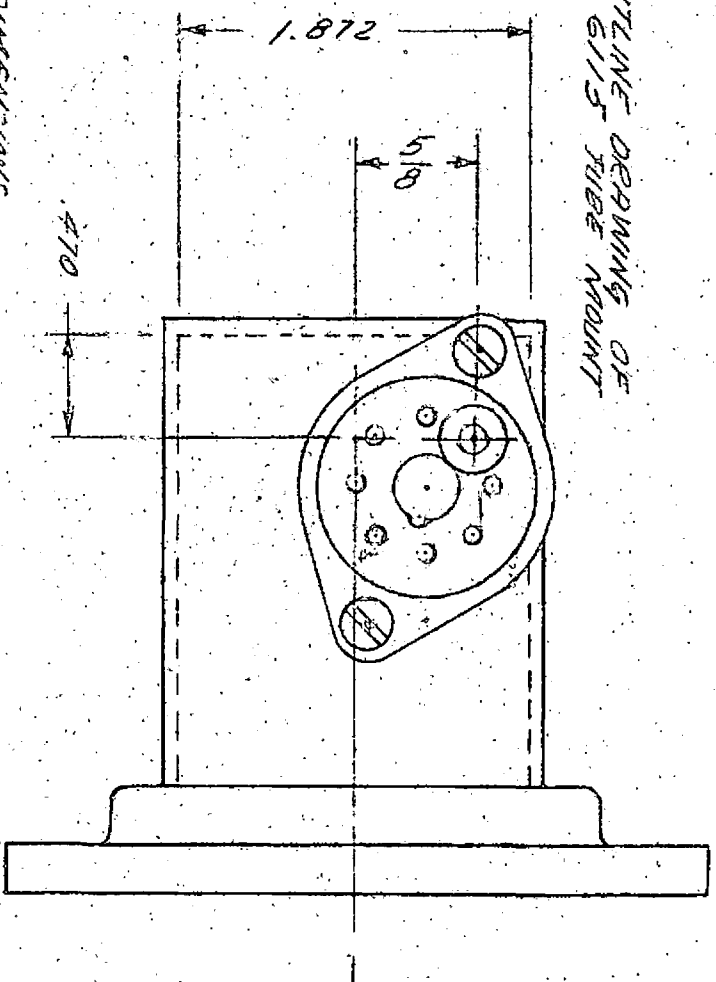
See attached drawing

Cathode	Oxide coated, unipotential
Base	To fit standard octal with #4 pin enlarged to 11/64" diameter

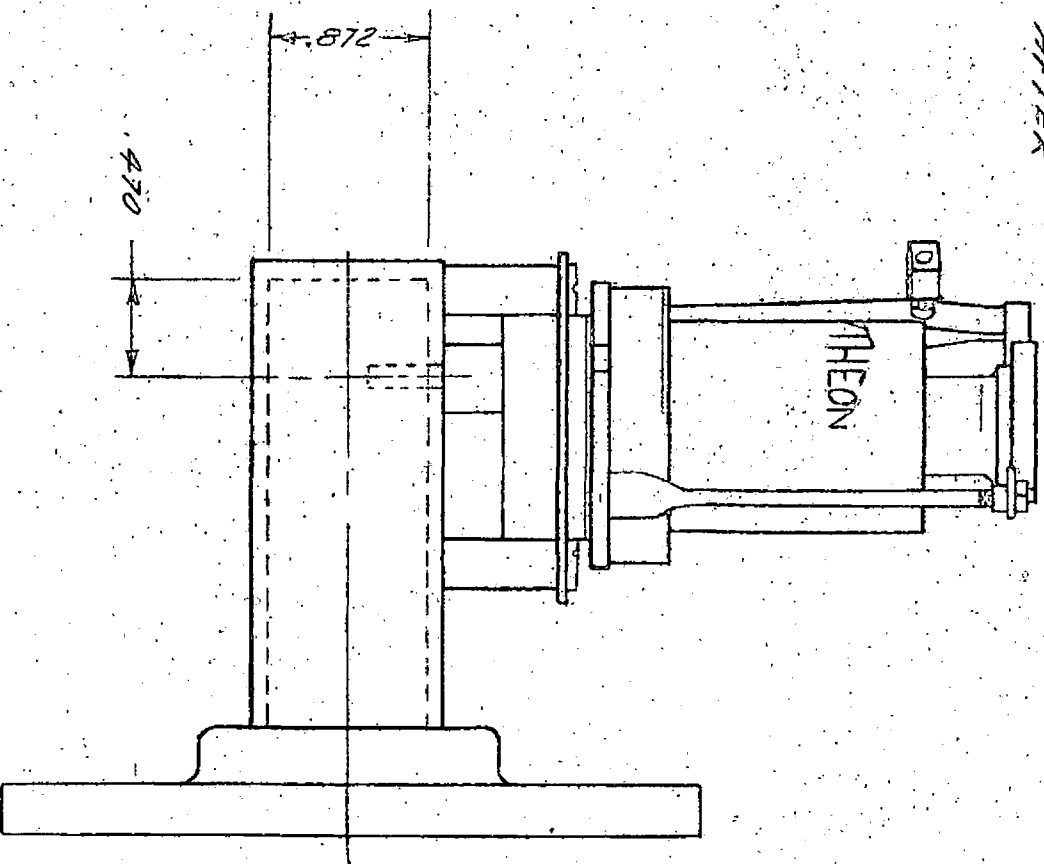
Pin No.	1	2	3	4	5	Top Cap
Element	Shell	Heater	Output	Heater	Cathode	Reflector
Mounting					Any Position	
Cooling					Freely circulating Air	

[illegible]

OUTLINE DRAWING OF
G115 TUBE MOUNT



NOTE: ALL DIMENSIONS SHOWN ARE AFTER PLATING.



RAYTHEON MFG. CO.
POWER TUBE DIVISION
WALTHAM, MASS.

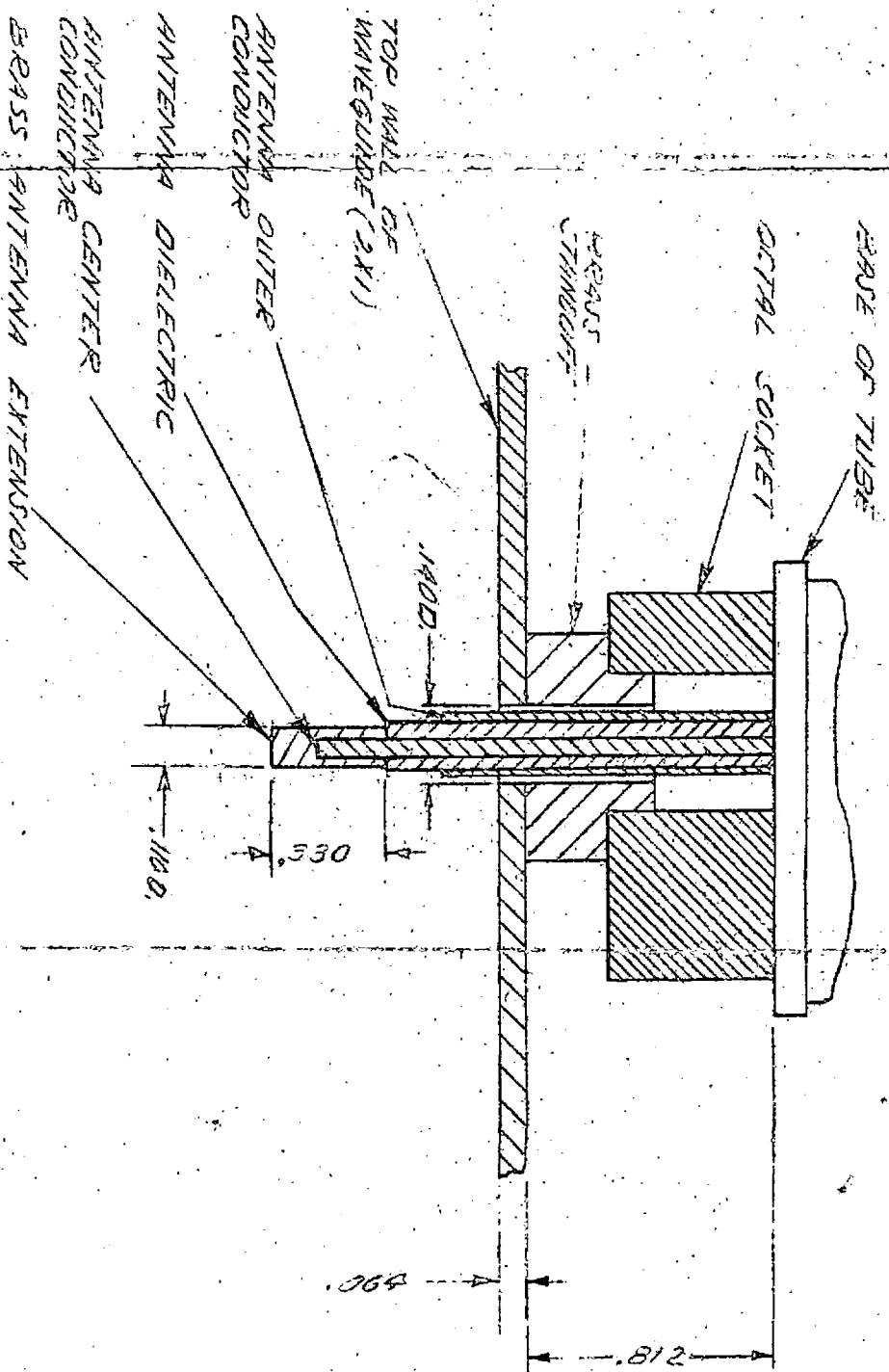
TITLE: TUBS. ACQUINT
6/1/5

DRAWING NO.
B

REV.	REVIS
133	2447

7. TENTATIVE SPECIFICATIONS FOR ELAC TFEON TUBING

PROPOSED BY THE RAYTHEON MANUFACTURING COMPANY



DETHALL OF 6113
TUBET MOLIN!

PROCESS SPEC.

