

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	45 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	-35 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	±.05 to ±.10 Mc/°C

MECHANICAL

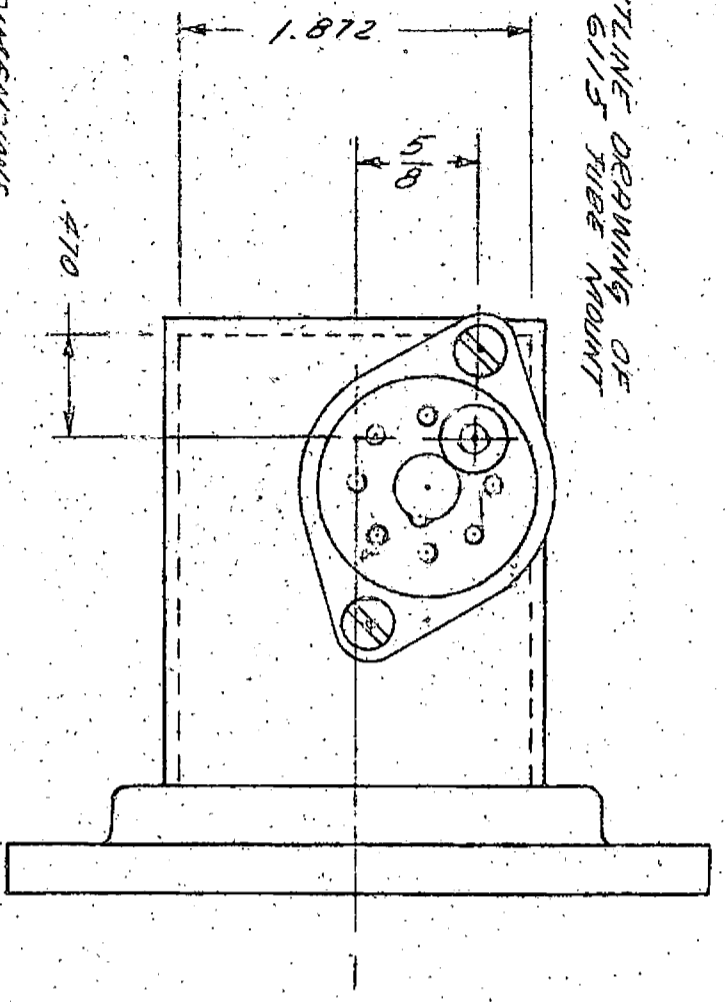
See attached drawing

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

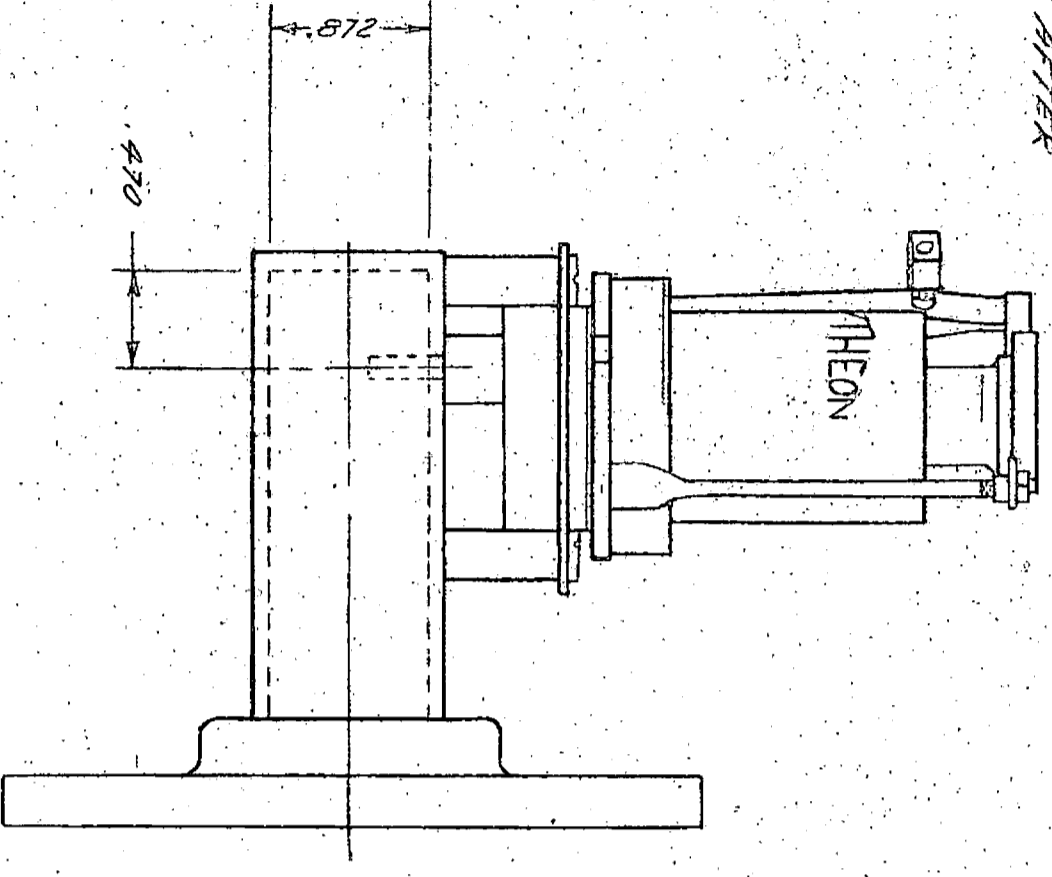
Pin No.	1	2	3	7	6	Top Cap
Element	Shell	Heater	Output	Heater	Cathode	Reflector
Mounting	Any Position					
Cooling	Freely circulating Air					

RAYTHEON MFG. CO. POWER TUBE DIVISION WALTHAM, MASS.	TITLE TUBE MOUNT 6115	DRAWING NO. B	REV. 1 3 50 6117
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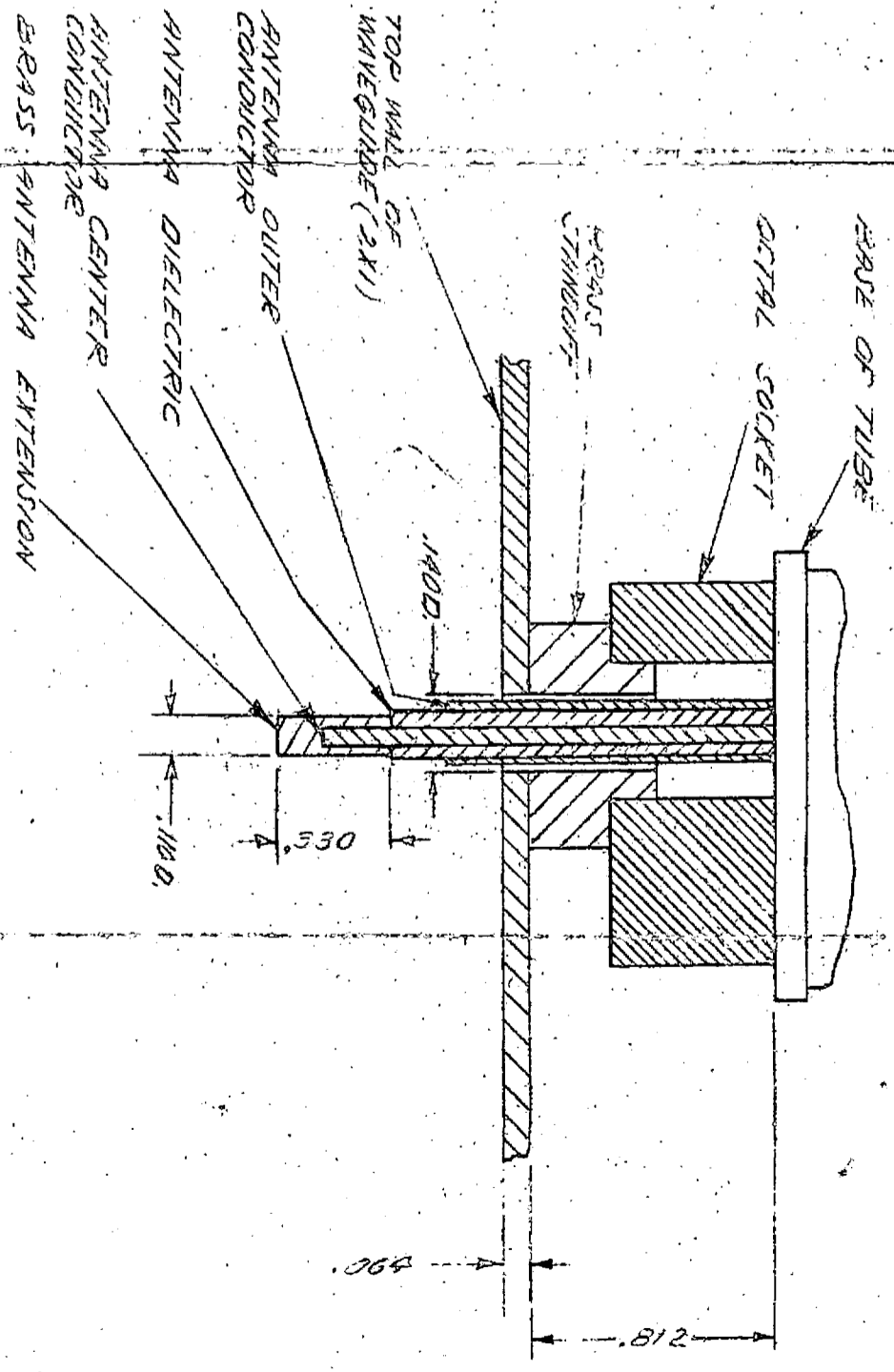
OUTLINE DRAWING OF
6115 TUBE MOUNT



NOTE:
ALL DIMENSIONS
SHOWN ARE AFTER
PLATING.



REPRESENTATIVE SPECIFICATIONS FOR
TUBE 6115
PROPOSED BY THE RAYTHEON
MANUFACTURING
COMPANY



SPECIAL	COPIES	STATION	COPIES
	2	116	1
	1	117	1

PROCESS SPEC.

