



RADIO MANUFACTURERS ASSOCIATION
ENGINEERING DEPARTMENT

Release No. 468

February 1, 1946

sponsor:
General Electric Co.

RMA TYPE
2B22

The 2B22 is a high-perveance diode of the disk-seal type. It is used as a detector or monitor at frequencies up to 1500 megacycles.

GENERAL CHARACTERISTICS

Number of Electrodes 2

Electrical

Cathode - Indirectly Heated

Heater Voltage

6.3 Volts

Heater Current

0.75 Amperes

Average Characteristics

Plate Voltage, $I_b = 20$ ma

6.0 Volts

Direct Interelectrode Capacitance

Cathode-plate

2.20 Micromicrofarads

Mechanical

Type of Cooling - Convection

Maximum Seal Temperature

200 C

Base Description

6-pin Octal

Mounting Position

Any

Net Weight, approximate

3 Ounces

Shipping Weight, approximate

3 Pounds

MAXIMUM RATINGS AND TYPICAL OPERATING CONDITIONS

Detector

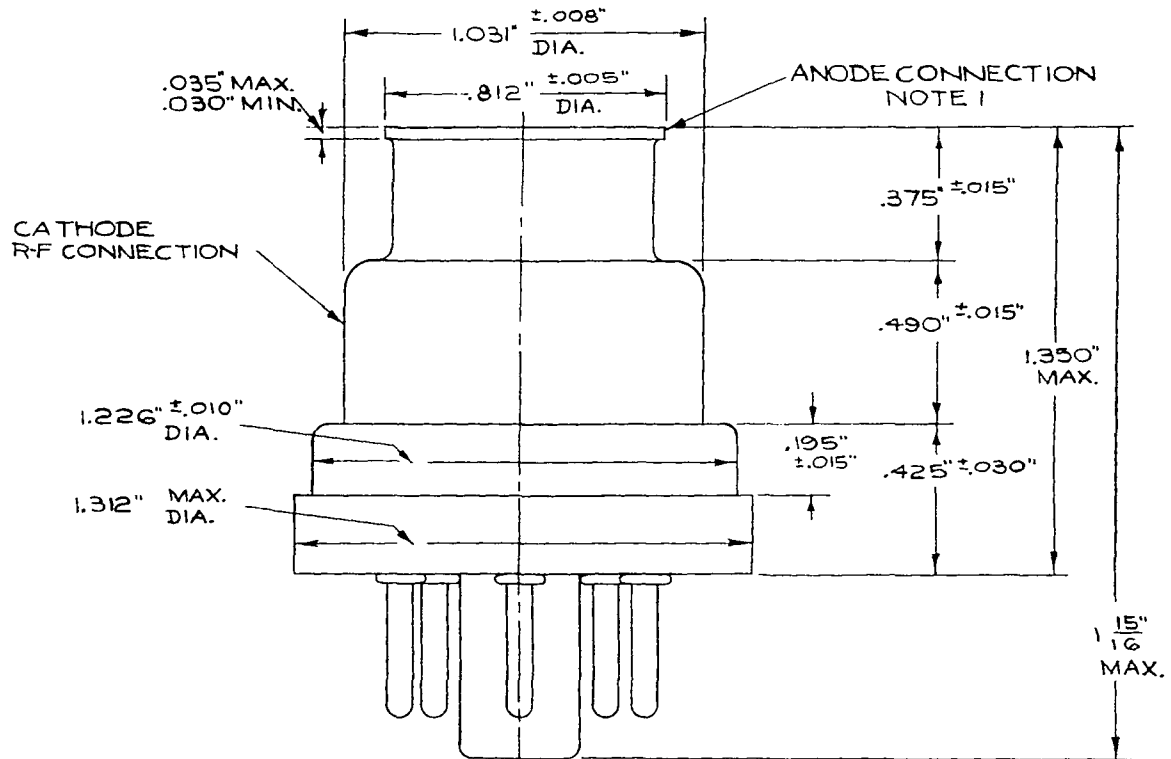
	<u>Typical Operation</u>	<u>Maximum Ratings</u>
Peak Plate Voltage		100 *Volts
Peak Cathode Current		0.7 *Amperes
Peak Inverse Voltage		300 Volts
Average Cathode Current	5	20 Milliamperes
Output Voltage	50	150 Volts d-c
Load Resistance	10000	Ohms

* Tube shall not operate more than 5 microseconds in a 100-microsecond interval.

December 24, 1945.

RMA TYPE

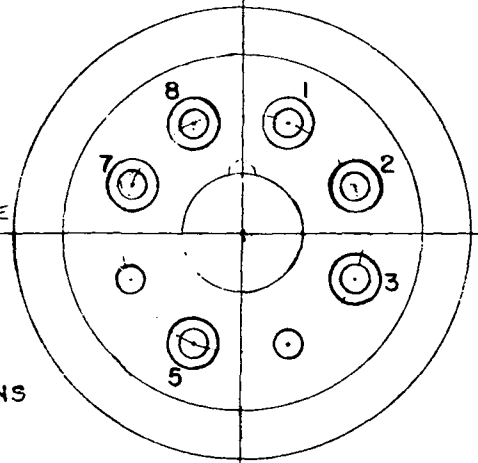
2B22



NOTE 1
GLASS WILL NOT
PROTRUDE BEYOND
EDGE OF ANODE
CONNECTION

NOTE 2
MAX. ECCENTRICITY
OF THE ϕ OF THE ANODE
CONNECTION WITH THE
 ϕ OF THE R-F CATHODE
0.20"

NOTE 3
EXPOSED METAL PARTS
PLATED WITH 100 MS1
SILVER EXCEPT BASE PINS



PIN

CONNECTION

- | | |
|------------------------|------------|
| 1. INTERNAL CONNECTION | 5. CATHODE |
| 2. HEATER | 7. HEATER |
| 3. CATHODE | 8. CATHODE |