



**RADIO MANUFACTURERS ASSOCIATION**  
**ENGINEERING DEPARTMENT**

RMA Release No. 428

August 20, 1945

Types

1B35, 1B36, 1B37, 1B38

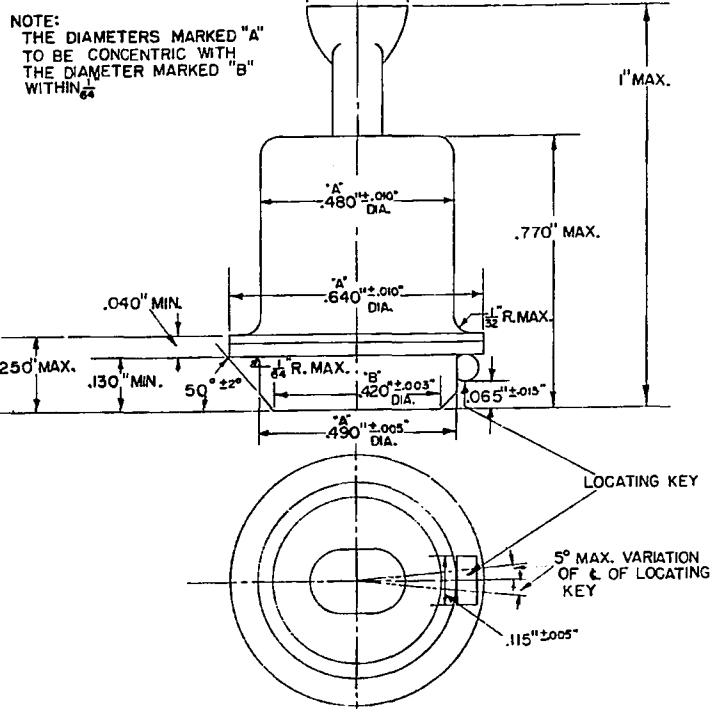
sponsor:

General Electric Co.

Gaps

|                                                     | <u>1B35</u> | <u>1B36</u> | <u>1B37</u> | <u>1B38</u>          |
|-----------------------------------------------------|-------------|-------------|-------------|----------------------|
| Description                                         | ATR         | ATR         | ATR         | Pre-TR               |
| Number of Electrodes                                | 2           | 2           | 2           | 2                    |
| Cathode                                             | Cold        | Cold        | Cold        | Cold                 |
| Wavelength at Center Frequency<br>(Fo), Centimeters | 3.22        | 1.25        | 3.43        | 10.7                 |
| Voltage Standing Wave Ratio at Fo                   | 25          | 25          | 25          | 1.05                 |
| Loaded Q                                            | 5.5         | 6           | 5.5         |                      |
| Leakage Energy, Joules                              |             |             |             | $1.3 \times 10^{-4}$ |
| Temperature Range, K                                |             |             |             |                      |
| Maximum                                             | +100        | +100        | +100        | +100                 |
| Minimum                                             | - 40        | - 40        | - 40        | - 40                 |

1836



1B38

