



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

Release No. 444

October 5, 1945

RMA Type 1B58

sponsored by:  
Sperry Gyroscope Co., Inc.

**Band Pass TR Tube**

GENERAL CHARACTERISTICS

ELECTRICAL

|                                      |    |               |
|--------------------------------------|----|---------------|
| Center Frequency                     | f2 | 10.7 cm       |
| Band Pass Range (V.S.W.R. 1.65 max.) |    | 10 to 11.3 cm |

MECHANICAL

|                              |                                   |
|------------------------------|-----------------------------------|
| Ionizable Medium             | Argon and water vapor             |
| No. of electrodes            | 3, plus entrant and exit windows. |
| No. of Keep alive electrodes | 2                                 |
| Dimensions                   | See outline drawing               |
| Mounting position            | Any                               |

MAXIMUM RATINGS

|                           |            |                 |
|---------------------------|------------|-----------------|
| Transmitter Average Power | 1000 watts |                 |
| Insertion Loss            | f2         | To be specified |
| * Keep alive firing time  | T          | 5 sec.          |
| Keep alive arc drop       |            | To be specified |
| * Keep alive Interaction  | f2         | .1 DB           |
| * Leakage energy          |            | .4 ergs         |
| Recovery time             |            | To be specified |

\* Method of measuring to be specified.



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