JETEC TYPE DESIGNATION REGISTRATION FORM

ATR TUBES

Manufacturer's Designation: BL-94 March 11, 1957
JETEC Designation: 6631
Manufacturer: Bomac Laboratories, Inc.
Beverly, Massachusetts

GENERAL CHARACTERISTICS

The 6631 is a broad-band ATR tube with a keep-alive. The tube is designed to effectively decouple the transmitter from a common transmitting and receiving antenna during a non-transmitting period. It is designed to operate over a frequency range 8500 to 9000 mega-cycles.

ELECTRICAL DATA - TYPICAL VALUES

Center Frequency	8750 Mc
Loaded Q (max.)	18
Transmitter Peak Power (max.)	250 kw
Transmitter Peak Power (min.)	4 kw
Equivalent Conductance (max.)	0.1
Tuning Susceptance (max.)	±0.06
Arc Power Loss (max.) F=9025 Mc; po=4kw; tp=0.55 μsec; prr=1000 pps Ii =100 μAdc	0.8 db
Ignitor Ignition Time (max.)	5 sec.
Ignitor Voltage Drop; Ii=100 μAdc	150-350 volts

MECHANICAL DATA-GENERAL

Mounting Position	Any
Weight, approximately	2 ozs.

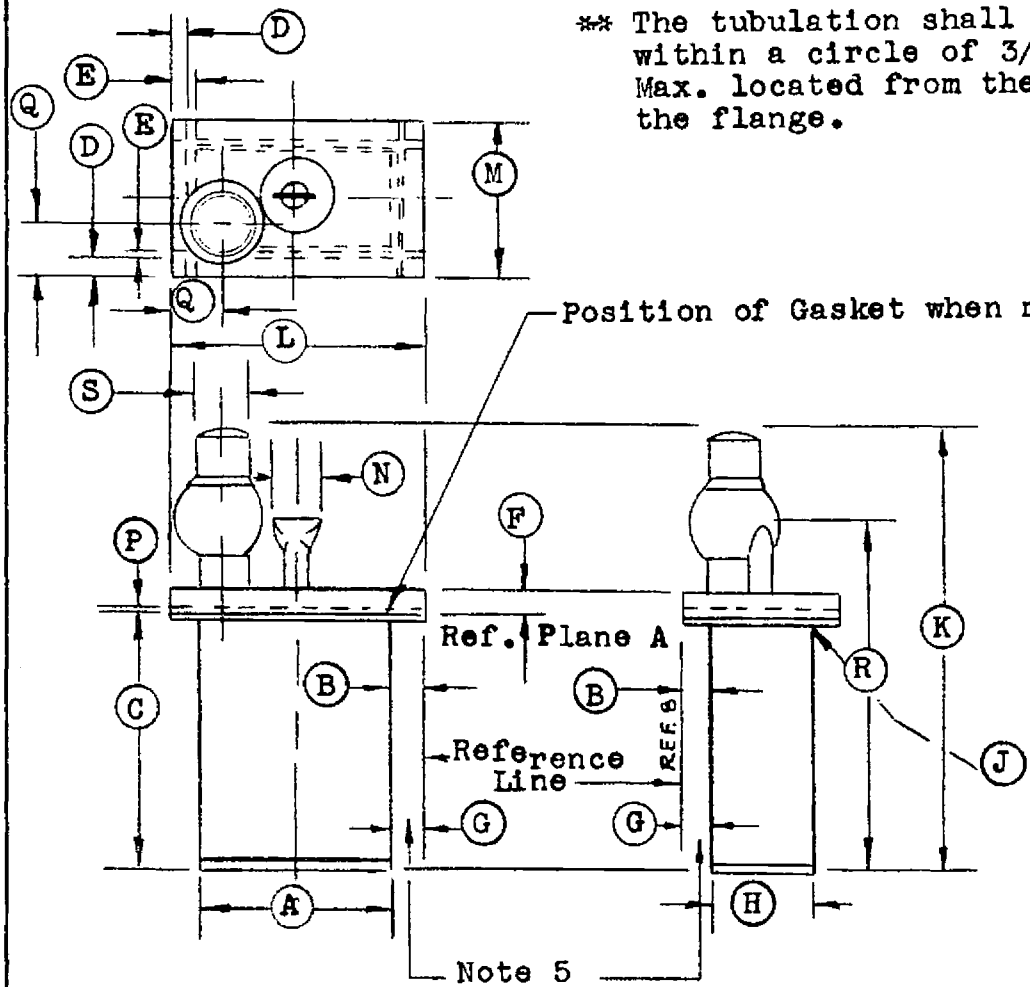
ABSOLUTE MAXIMUM RATING

Transmitter Peak Power	250 kw
Transmitter Average Power	250 W
Ignitor Current	200 μAdc

OUTLINE DRAWING

As per attached outline dated 6-22-56

from JETEC release #1897, April 15, 1957



Notes:

** 1. Silver plate 100 MSI or Equivalent.

* 2. Center lines of Window shall coincide with corresponding center lines of box within .015. This measurement shall be made in the plane of the window.

* 3. 2 Gaskets per 191 Jan supplied with tube but not mounted.

4. Dim B to measure a nom. 1/8 from Ref. plane A.

5. Dim G to measure a nom. 1/8 from window plane

6. Slot dimensions apply only on contact face of flange.

Ref.	Dimensions
A*	1.000 ±.010
B	.142 Min.
C	1.299 ±.003
D	.107 ±.004
E	.035
F*	.125 ±.008
G	.138 Min
H*	.500 ±.010
G**	.020R. Max.
K*	2 3/8 Max.
L	1.300 ±.003
M	.800 ±.003
N*	1/4 Max.
P	.040
Q*	.9/32
R*	1 13/16 Max.
S**	1/4 Dia.
	Nom.

	SPECIFICATION SHEET	BOMAC LABORATORIES INC. SALEM ROAD BEVERLY, MASSACHUSETTS
	OUTLINE 6631/BL-94	6-22-56 RR

PRINTED BY SPAULDING-MOSS CO., BOSTON, MASS., RE-ORDER NO. F-56