

JETEC TYPE DESIGNATION REGISTRATION FORM

TR TUBES

Manufacturer's Designation: BL18A
JETEC Designation: 6632
Manufacturer: Bomac Laboratories, Inc.
Beverly, Massachusetts

March 7, 1957

GENERAL CHARACTERISTICS

The 6632 is a narrow band tunable TR tube designed to effectively decouple the receiver from a common transmitting and receiving antenna during a period of transmission. It is an integral cavity type. Its tuning range is from 1215 to 1355 megacycles.

ELECTRICAL DATA - TYPICAL VALUES

Tuning Range	1215 to 1355 Mc/sec.
Loaded Q (min.) $I_i=0$	20
Ignitor Ignition Time (max.)	5 sec.
Ignitor Voltage Drop at $I_i=100\mu\text{A dc}$	200 - 450 volts
Spike Leakage Energy (max.) F=1285 Mc; $p_o=2000$ kw; $tp_1=4.0\mu\text{s}$; $tp_2=1.0\mu\text{s}$; $prf=250$ pps; $I_i=100\mu\text{A dc}$	0.4 ergs
Flat Leakage Power (max.) (see Spike Leakage for test conditions)	75mw
Insertion Loss (max.) at F=1285 Mc; $I_i=0$	0.7 db
Ignitor Interaction (max.) at F=1285 Mc; $I_i=100\text{A dc}$	0.3 db
Recovery Time (max.) at 2000 kw peak 3 db down	45 μs

MECHANICAL DATA - GENERAL

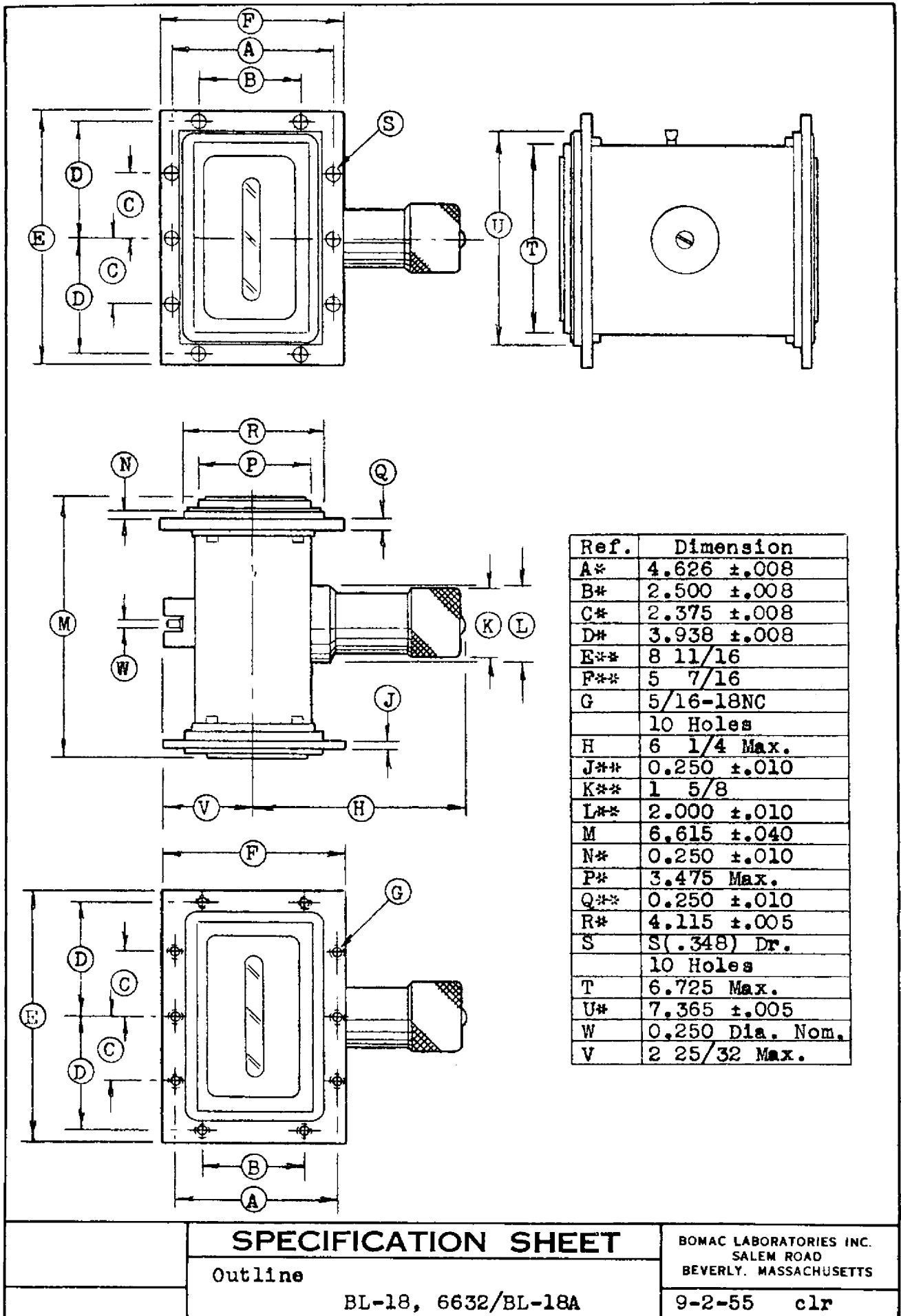
Tuning Range Dial Turns (min.)	8 turns
Mounting Position	Any
Pressurization	25 psia
Weight, approximately	8.5 lbs.

ABSOLUTE MAXIMUM RATINGS

Transmitter Peak Power	2000 kw
Transmitter Average Power	2000 W
Ignitor Current	200 $\mu\text{A dc}$

OUTLINE DRAWING

Outline as per attached drawing dated 9-2-55
Mounting Seat as per attached drawing dated 9-24-54



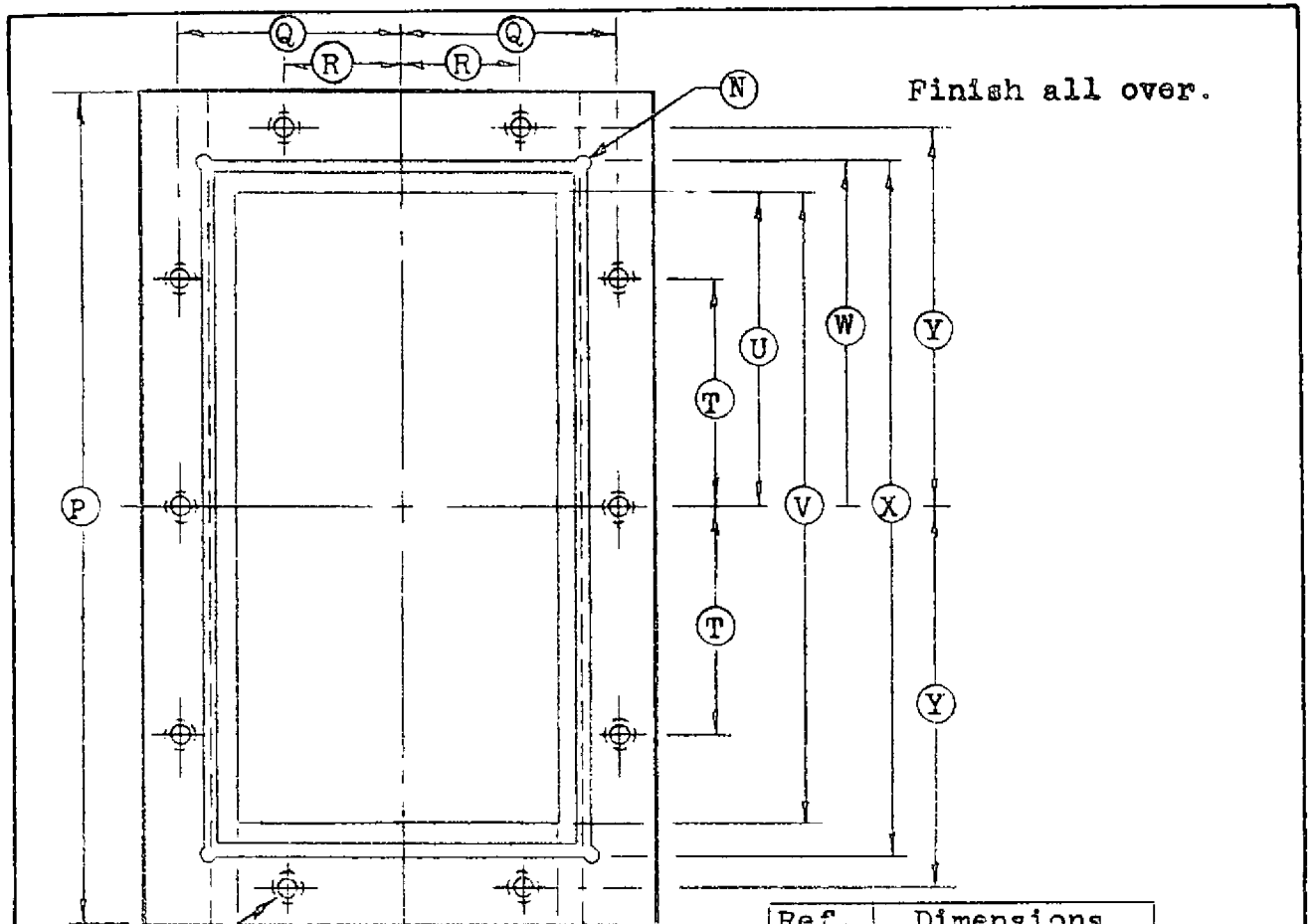
SPECIFICATION SHEET

Outline

BL-18, 6632/BL-18A

BOMAC LABORATORIES INC.
SALEM ROAD
BEVERLY, MASSACHUSETTS

9-2-55 clr



Finish all over.

Ref.	Dimensions
A	5.437
B	4.000
C	2.000
D	0.250
E	0.020
F	0.600
G	7/32 End Mill
	4 Sides
H	0.080
J	4.135
K	2.067
L	3.537
M	1.768
N	7/32 End Mill
	0.270 Deep
P	8 11/16
Q	2.313 ±.004
R	1.250 ±.004
S	5/16-18 Tap
	10 Holes
T	2.375 ±.004
U	3.393
V	6.787
W	3.692
X	7.385
Y	3.938 ±.004

This Mounting Seat used on the following tubes:-

- | | | |
|--------|---------|---------|
| 6605 | BL- 96 | BL-665 |
| 6628 | BL- 96A | BL-665A |
| 6632 | BL-612 | BL-688 |
| 6633 | | BL-688A |
| 6962 | BL-632 | BL-664A |
| BL-18 | | |
| BL-18A | BL-640 | |
| BL-37 | BL-640A | |
| BL-37A | BL-664 | |

SPECIFICATION SHEET

Mounting Seat

BOMAC LABORATORIES INC.
SALEM ROAD
BEVERLY, MASSACHUSETTS

9-24-54 clr

CS-2E-1.10.30.16