

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 $I_i=100\mu\text{Adc}$	200 - 450 volts
Spike Leakage Energy (max.)	0.4 ergs
$F=1285\text{ Mc}$; $p_o=2000\text{ kw}$; $tp_1=4.0\mu\text{s}$; $tp_2=1.0\mu\text{s}$; $prf=250\text{pps}$; $I_i=100\mu\text{Adc}$	
Flat Leakage Power (max.)	75mw
(see Spike Leakage for test conditions)	
Insertion Loss (max.) at $F=1285\text{ Mc}$; $I_i=0$	0.7 db
Ignitor Interaction (max.) at $F=1285\text{ Mc}$; $I_i=100\text{Adc}$	0.3 db
Recovery Time (max.) at 2000 kw peak 3 db down	45 μs

MECHANICAL DATA - GENERAL

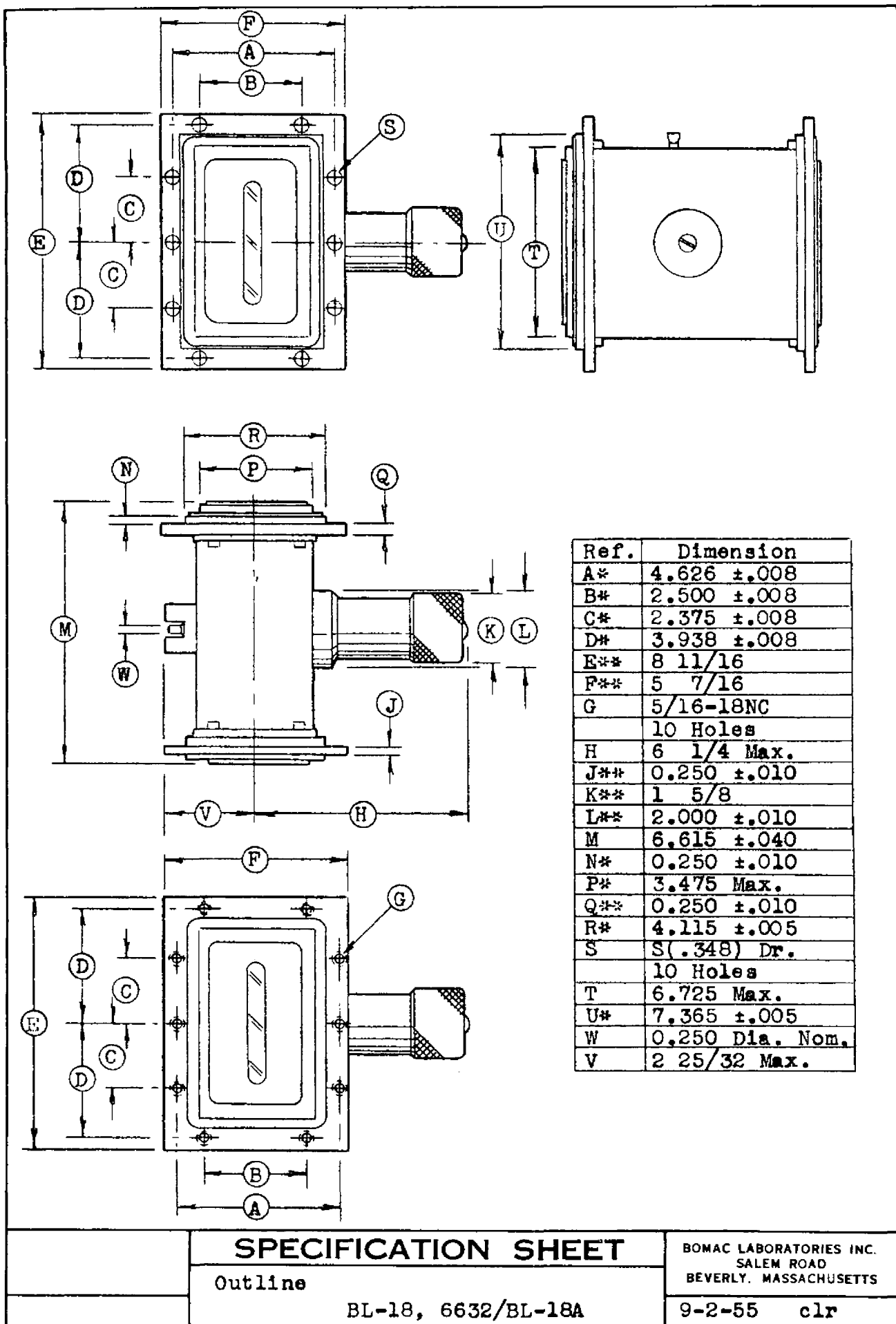
Tuning Range Dial Turns (min.)	8 turns
Mounting Position	Any
Pressurization	25 psia
Weight, approximately	8.5 lbs.

ABSOLUTE MAXIMUM RATINGS

Transmitter Peak Power	2000 kw
Transmitter Average Power	2000 W
Ignitor Current	200 μAdc

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

