

JETEC TYPE DESIGNATION REGISTRATION FORM

TR TUBE

Manufacturer's Designation: BL-37A March 1, 1957
JETEC Designation: 6633
Manufacturer: Bornac Laboratories, Inc.
Beverly, Massachusetts

GENERAL CHARACTERISTICS.

The 6633 is a broad band 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 operational band is from 1220 to 1365 Megacycles.

ELECTRICAL DATA - TYPICAL VALUES.

Operational Band	
VSWR 1.4 maximum	1220 to 1365 Mc/s
Ignitor Ignition Time (max.)	5 sec.
Ignitor Voltage Drop at $I_i=100\mu\text{Adc}$	200-450 volts
Spike Leakage Energy (max.)	0.40 ergs
F= 1292Mc; $p_o=2000\text{kw}$	
$tp_1=4.0\mu\text{s}$; $tp_2=1.0\mu\text{s}$	
$prf=250\text{pps}$; $I_i=100\mu\text{Adc}$.	
Flat Leakage Power (max.)	75 mw
(See Spike Leakage for test conditions)	
Insertion Loss (max.) at 1292 Mc and $I_i=0$	0.7 db
Ignitor Interaction (Max.) at 1292 Mc and $I_i=100\mu\text{Adc}$	0.3 db
Recovery Time (max.) at 2000 kw peak 3 db down	45 μs

MECHANICAL DATA - GENERAL.

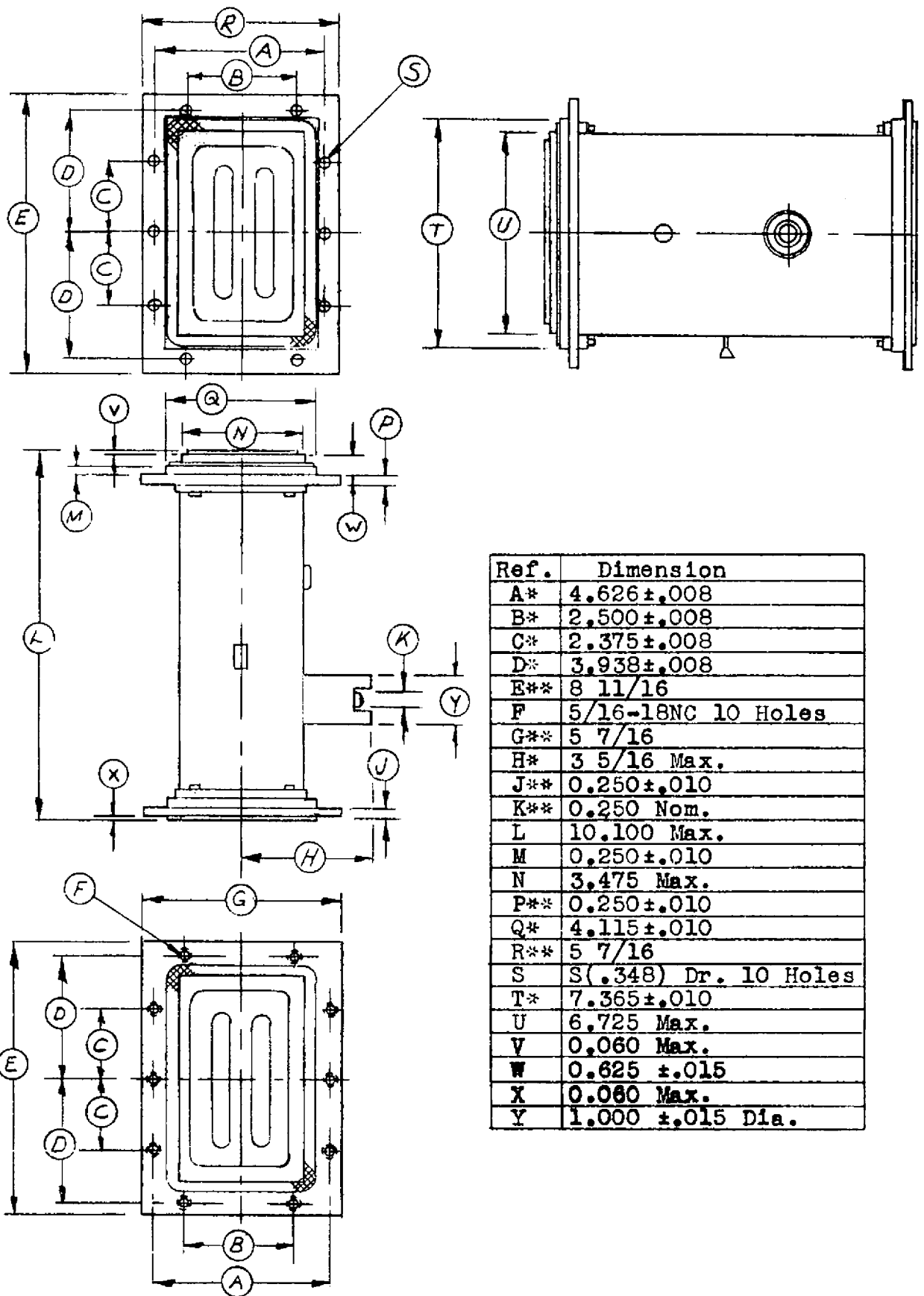
Mounting Position	Any
Pressurization (max.)	25 psia
Weight, approximately	9.75 lbs.

ABSOLUTE MAXIMUM RATINGS.

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

OUTLINE DRAWING.

As per attached drawing dated 1-15-57



SPECIFICATION SHEET

Outline

BL-37, 6633/BL- 37A

BOMAC LABORATORIES INC.
SALEM ROAD
BEVERLY, MASSACHUSETTS

1-15-57 clr