

JETEC TYPE DESIGNATION REGISTRATION FORM

TR TUBE

Manufacturer's Designation: BL-57
JETEC Designation: 6635
Manufacturer: Bomac Laboratories, Inc.
Beverly, Mass.

March 8, 1957

GENERAL CHARACTERISTICS

The 6635 is a narrow 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 tuning range is from 2390 to 2710 megacycles.

ELECTRICAL DATA-TYPICAL VALUES

Tuning Range	2390 to 2710Mc/sec
Ignitor Ignition Time (max.)	5 sec.
Ignitor Voltage Drop at $I_i=100\mu\text{Adc}$	415-525 volts
Spike Leakage Energy (max.)	0.3 ergs
$F=2700\text{Mc}$; $p_o=4\text{kw}$; $t_{p1}=0.5\mu\text{s}$; $t_{p2}=0.25\mu\text{s}$; $p_{rr}=1000\text{pps}$; $I_i=100\mu\text{Adc}$	
Flat Leakage Power (max.)	50 mw
(See Spike Leakage for test conditions)	
Insertion Loss (max.) at $F=2700\text{Mc}$ and $I_i=0$	2 db
Ignitor Interaction (max.) at $F=2700\text{Mc}$ and $I_i=100\mu\text{Adc}$	0.3 db
Recovery Time (max.) at 2kw 3 db down	2 μsec .

MECHANICAL DATA-GENERAL

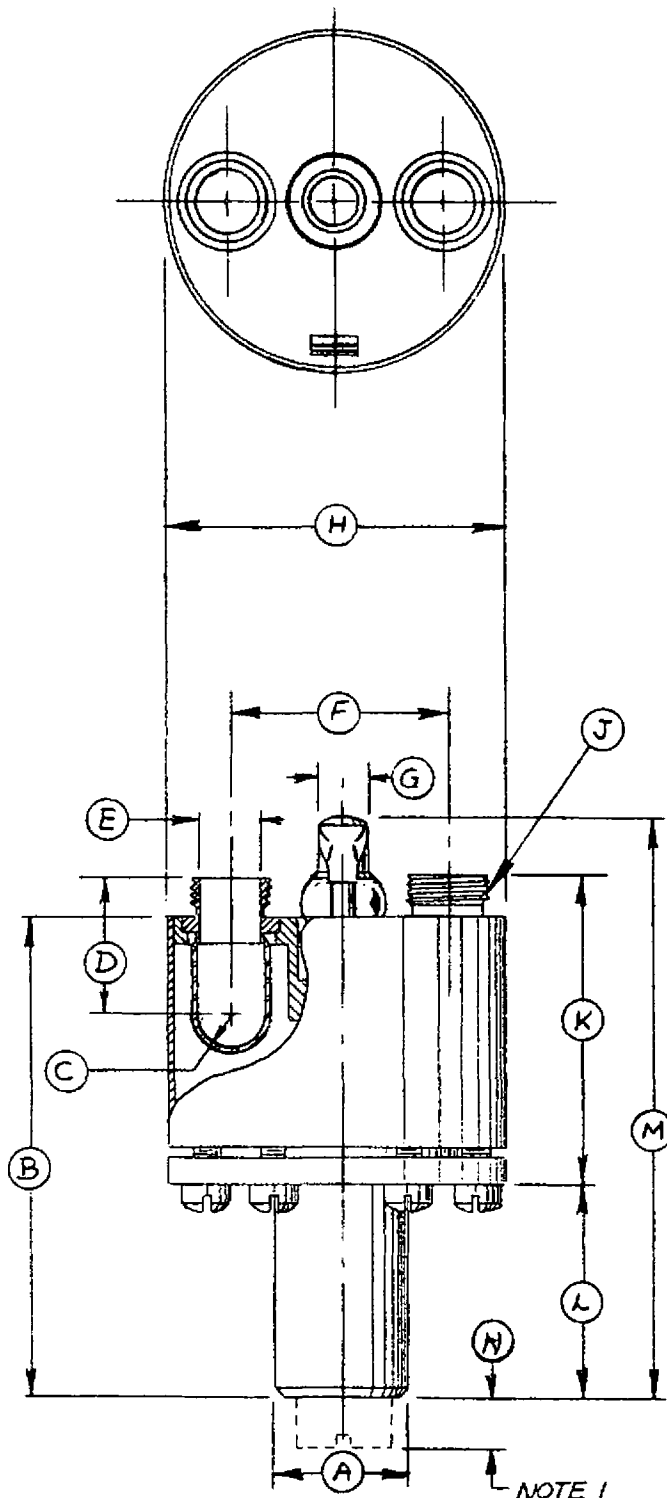
Mounting Position	Any
Weight, approximately	0.5 lbs.

ABSOLUTE MAXIMUM RATINGS

Transmitter Peak Power	4 kw
Transmitter Average Power	2 W
Ignitor Current	200 μAdc

OUTLINE DRAWING

As per attaching drawing dated 6-29-54



REF.	DIMENSIONS
A**	.680 DIA
B	2 1/2 ± 1/16
C	.189 R. MIN
D	.466
E	.312 D ± .002
F*	1.114
G**	.250 DIA. NOM
H*	1.750 DIA ± .010
J	7/16 - 20 NF -
K	1 23/32 ± 1/32
L*	1 3/32 ± 1/32
M*	3 7/32 APPROX.
N	5/16 MAX.

NOTE -
1. APPLIES WHEN TUNING SCREW IS
AT ITS EXTREME OUTER POSITION

SPECIFICATION SHEET

OUTLINE

6635/BL-57, BL-602

BOMAC LABORATORIES INC.
SALEM ROAD
BEVERLY, MASSACHUSETTS

G-29-54

E.D.