

JETEC TYPE DESIGNATION REGISTRATION FORM

TR TUBE

Manufacturer's Designation: BL-67 April 9, 1957
JETEC Designation: 6650
Manufacturer: Bomac Laboratories, Inc.
Beverly, Massachusetts

GENERAL CHARACTERISTICS

The 6650 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 23,630 to 24,580 megacycles.

ELECTRICAL DATA - TYPICAL VALUES

Tuning Range	23,630 to 24,580 Mc/s
Ignitor Ignition Time (max.)	5 sec
Ignitor Voltage Drop at $I_i=100 \mu\text{Adc}$	300 - 425 Vdc
Total Leakage Power (max.)	25 mw
F=23,984 Mc; $p_o=8 \text{ kw}$;	
tp=0.25 μs at 2000 pps or	
tp=0.5 μs at 1000 pps	
$I_i=100 \mu\text{Adc}$	
Insertion Loss (max.) at F=23,984 Mc and $I_i=0$	1.75 db
Ignitor Interaction (max.) at F=23,984 Mc and $I_i=100 \mu\text{Adc}$	0.2 db
Recovery Time (max.) at 8.0 kw peak 3 db down	4.0 μs

MECHANICAL DATA - GENERAL

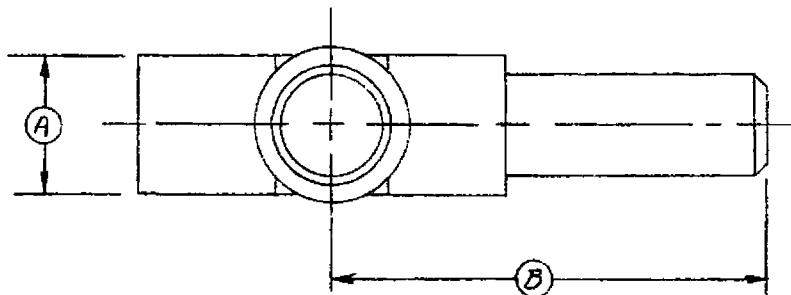
Mounting Position	Any
Weight, Approximately	2 ozs.

ABSOLUTE MAXIMUM RATINGS

Transmitter Peak Power	24 kw
Transmitter Average Power	14 W
Ignitor Current	200 μAdc

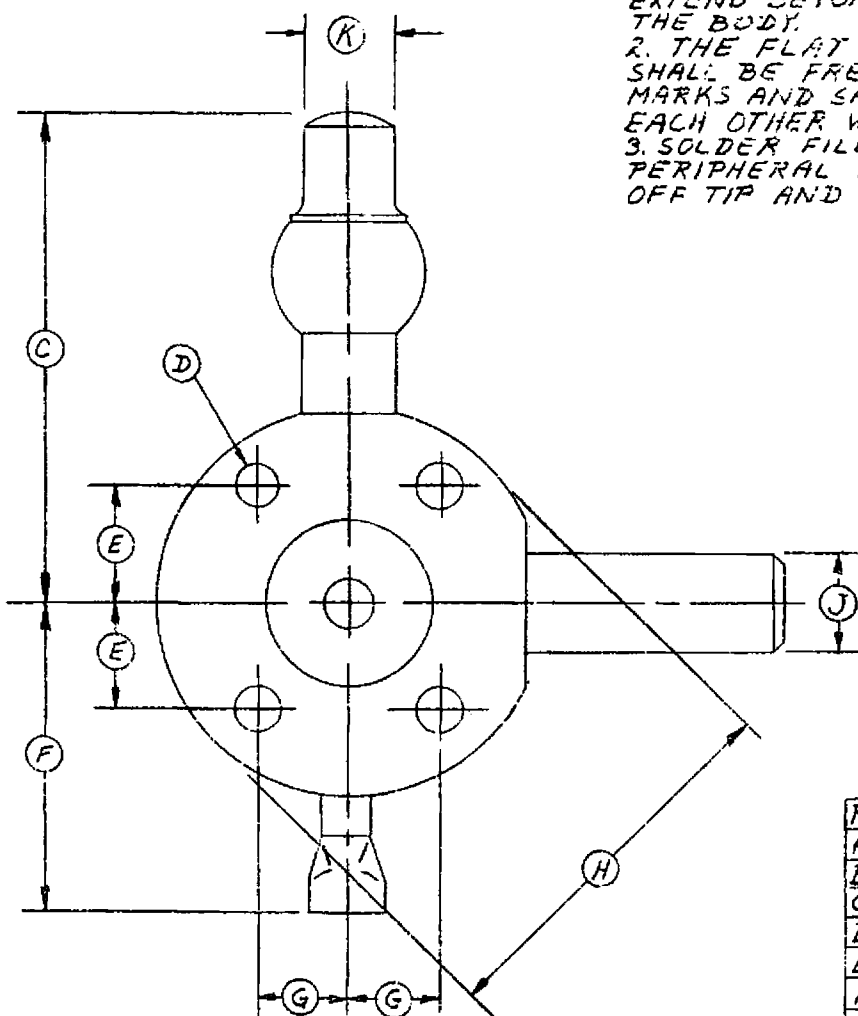
OUTLINE DRAWING

As per attached drawing dated 3-23-55



NOTES

1. NO PART OF THE IRIS ASSEM. SHALL EXTEND BEYOND THE SURFACE OF THE BODY.
2. THE FLAT SURFACES OF THE BODY SHALL BE FREE OF EXCESSIVE TOOL MARKS AND SHALL BE PARALLEL TO EACH OTHER WITHIN .001.
3. SOLDER FILLETS PERMISSIBLE ON PERIPHERAL SURFACE NEAR SEAL OFF TIP AND ELECTRODE TERMINAL.



REF	DIMENSIONS
A**	.365 MAX. .359 MIN.
B	1/8 MAX.
C*	1.281 MAX.
D	.120 D*.002 (4) HOLES
E*	.287 ±.002
F	13/16 MAX.
G*	.241 ±.002
H	1.004
J**	.310 D.
K*	.250 D.

SPECIFICATION SHEET

OUTLINE

6650/BL-67

BOMAC LABORATORIES INC.
SALEM ROAD
BEVERLY, MASSACHUSETTS

3-23-55

9