JETEC TYPE DESIGNATION REGISTRATION FORM

DUAL TR TUBE

Manufacturer's Designation: BL-604H March 18, 1957

JETEC Designation: 6647

Manufacturer: Bomac Laboratories, Inc. Beverly, Massachusetts

GENERAL CHARACTERISTICS

The 6647 is a dual broad-band gas switching tube designed to operate with suitable short-slot hybrid junctions to provide a balanced duplexer using RG-52/U size waveguide. Two heaters and a thermostat permanently attached to the tube allow operation over a wide range of ambient temperature. It is an integral cavity type with fixed tuned gaps. Its operational band is from 8490 to 9578 megacycles.

ELECTRICAL DATA TYPICAL VALUES

8490 to 9578Mc/sec.
8565 to 9487Mc/sec.
5 sec.
200-375 volts
0.1 ergs
•
20 mw
ode
1. 2 db
1.0 db
14 db
16 db
18 db
1.5μs
1.2
115 Vac
25 W
4°C
50°C

MECHANICAL DATA-GENERAL

Mounting Position

Number of Ignitors

Two

Weight, approximately

10 ounces

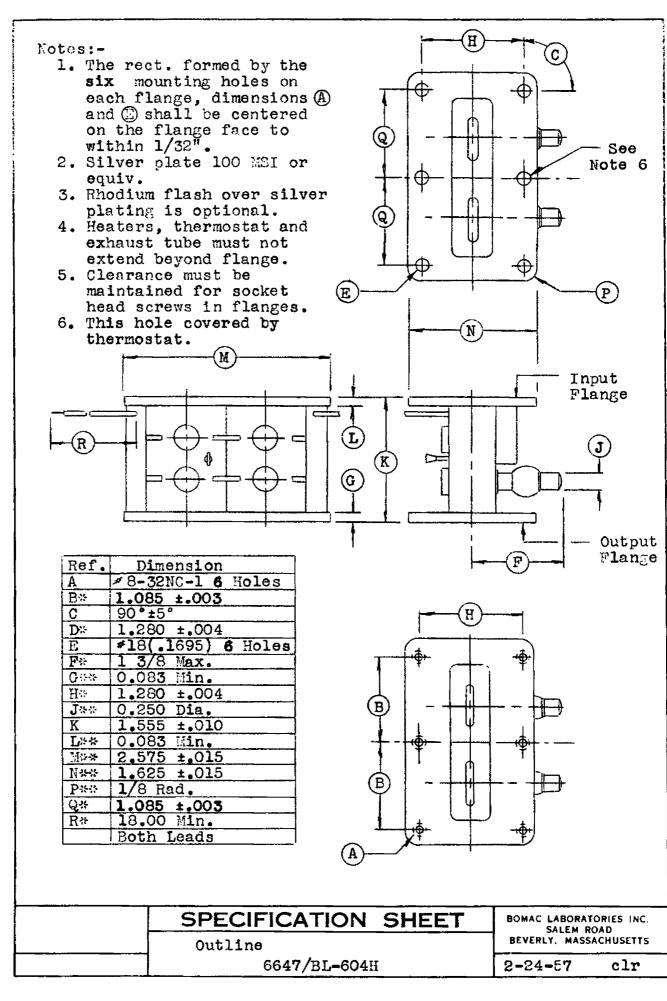
ABSOLUTE MAXIMUM RATINGS

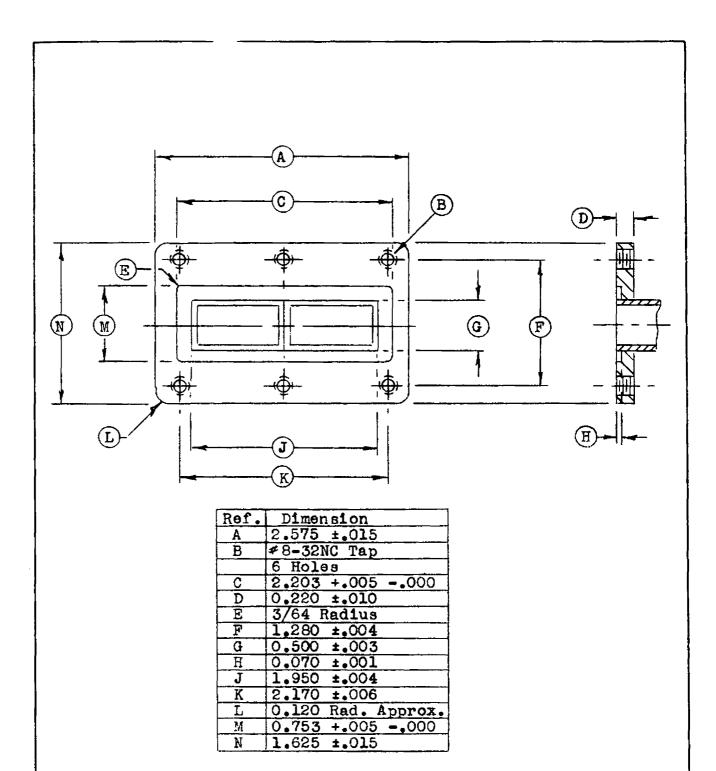
Transmitter Peak Power100 kwTransmitter Average Power100 WIgnitor Current (each electrode)200 μAdcThermostat Contact Current2 Aac

OUTLINE DRAWINGS

Outline as per attached drawing dated 2-24-57.

Mating Flange as per attached drawing dated, 11-10-54.

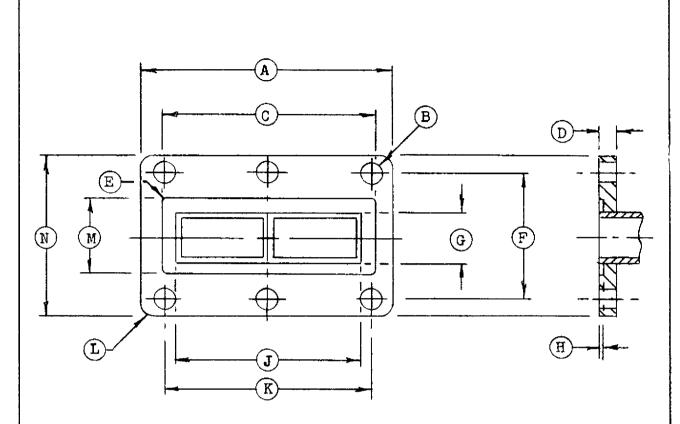




This outline used for following tubes:-

6796, BL-344, 6648/BL-615. BL-625 BL-355 6647/ BL-604H

	SPECIFICATION	SHEET	BOMAC LABORATOR		
			BEVERLY, MASSACHUSETTS		
05-2E-1,10,2008	Mating Flange		11-10-54	clr	



Ref.	Dimension
A	2.575 ±.015
В	#18(.1695) Dr.
	6 Holes
С	2.203 +.005000
D	0.220 ±.010
E	3/64 Rad.
F	1.280 ±.004
G	0.500 ±.003
H	0.070 ±.001
J	1,950 ±,004
K	2.170 ±.006
L	0.120 Rad. Approx.
M	0.753 +.005000
N	1.625 ±.015

This outline used for following tubes:BL-78, BL-307, 6599/BL-322, BL-331, BL-655

6796, 6601/BL-327, 6642/BL-600, BL-335,

BL-341, BL-339HBL-649, BL-651H, BL-686H

6647/ BL 604H

	SPECIFICATION	SHEET	BOMAC LABORATO		
	Mating Flange		BEVERLY, MASSACHUSETTS		
CS-2E-1.10.2).10			11-10-54	clr	