TYPE DESIGNATION REGISTRATION FORM

ATR Tube

Manufacturer: Bomac Laboratories, Inc.
Beverly, Massachusetts

Mfgs. Type No. BL-68

Tentative JETEC Type No. 6393

The 6393 (BL-68) is a broad-band ATR tube designed to effectively decouple the transmitter from a common transmitting and receiving antenna during a non-transmitting period. The operational band is from 9000 to 9600 megacycles per second.

ELECTRICAL DATA - GENERAL

Center Frequency	9300Mc.
Operational Band at Voltage Standing Wave Ratio 12 minimum	9260Mc to 9340Mc.
Loaded Q	6.5 (max.)
Transmitter Peak Power	5 kw (min.)
Center Frequency Normalized Conductance	0.1 (max.)
Center Frequency Normalized Susceptance	±0.06 (max.)
Arc Power Loss po= 4kw; prr= 1000 pps; tp = 0.5μs; F= 9300 Mc.	0.8db (max.)
Recovery Time po= 50kw; prr= 1000 pps; tp= 1.0μs; F= 9300 Mc.	8.0μs (max.)

MECHANICAL DATA - GENERAL

Mounting Position	Any
Ambient Temperature Range (Non-operating)	-40°C to +100°C
Net Weight, approximately	1 oz.

MAXIMUM RATINGS

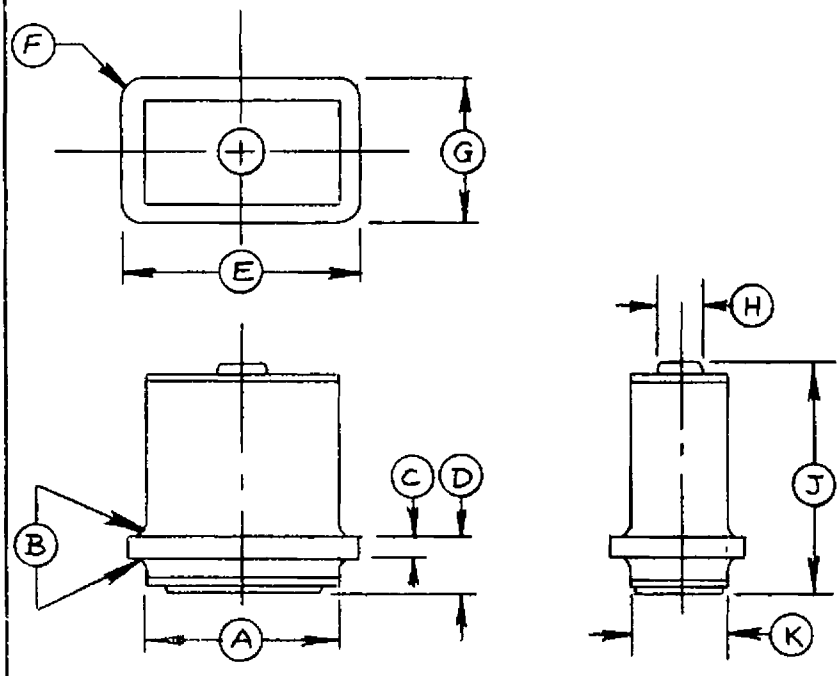
Transmitter Peak Power	250kw

OUTLINE DRAWING

See Outline Drawing 6393/BL-68 dated 11/23/54.

from JETEC release #1400, Jan. 17, 1955

REF	DIMENSIONS
A	1.000
B **	.030 R MAX
C *	.0965 +.003 -.002
D	.279 ±.003
E	1.200 ±.003
F **	.070-.080 R
G	.700 ±.003
H **	.250 DIA. MAX
J *	1.260 MAX
K	.500



SPECIFICATION SHEET

OUTLINE

6393/BL-68

BOMAC LABORATORIES INC.
SALEM ROAD
BEVERLY, MASSACHUSETTS

11-23-54 E.D.

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