

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	0.8db (max.)
$p_o = 4kw$; $p_{rr} = 1000$ pps; $t_p = 0.5\mu s$; $F = 9300$ Mc.	
Recovery Time	8.0 μs (max.)
$p_o = 50kw$; $p_{rr} = 1000$ pps; $t_p = 1.0\mu s$; $F = 9300$ Mc.	

MECHANICAL DATA - GENERAL

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

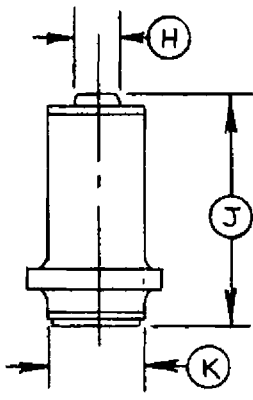
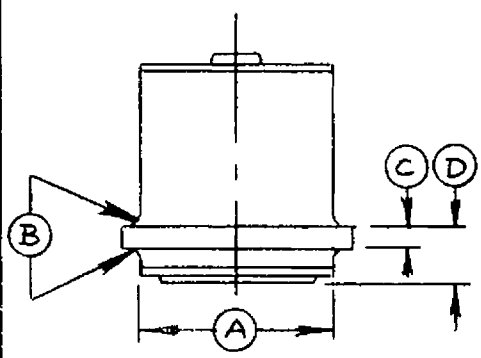
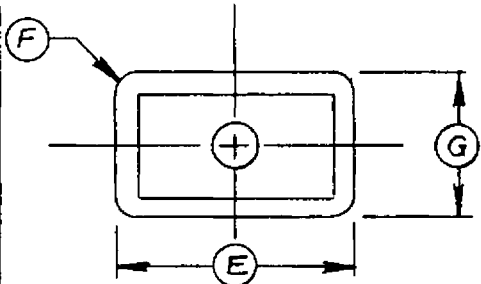
MAXIMUM RATINGS

Transmitter Peak Power	250kw
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OUTLINE DRAWING

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

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



	SPECIFICATION SHEET		BOMAC LABORATORIES INC. SALEM ROAD BEVERLY, MASSACHUSETTS	
	OUTLINE		6393/BL-68	11-23-54 E.D.