

JETEC TYPE DESIGNATION REGISTRATION FORM

SHUTTER TUBE

Manufacturer's Designation: BL-323
JETEC Designation: 6600
Manufacturer: Bomac Laboratories, Inc.
Beverly, Massachusetts

March 4, 1957

GENERAL CHARACTERISTICS

The 6600 is a shutter built into a tunable resonant cavity designed for use in X-band. The device is essentially a 1B24A cavity and tuning mechanism, without a gas fill, containing a built-in solenoid operated plunger which normally shorts the tuning gap in the resonant cavity. The shutter is intended to be used for switching low power only. Its tuning range is from 8490 to 9600 megacycles.

ELECTRICAL DATA - GENERAL

Shutter Open

Tuning Range	8490 to 9600 Mc/s
Insertion Loss (max.) at 9375 Mc.	1.5 db
Load Q (max.)	350

Shutter Closed

Attenuation (min.) from 8490 to 9600 Mc.	40 db
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Shutter Coil Ratings

Shutter Coil Voltage	3V (ac-dc)
Shutter Coil Pull-In Current (min.) DC	500m Adc
Shutter Coil Holding Current (min.) DC	135m Adc
Shutter Coil Pull-In Current (min.) AC	460m Aac
Shutter Coil Holding Current (min.) AC	460m Aac

MECHANICAL DATA - GENERAL

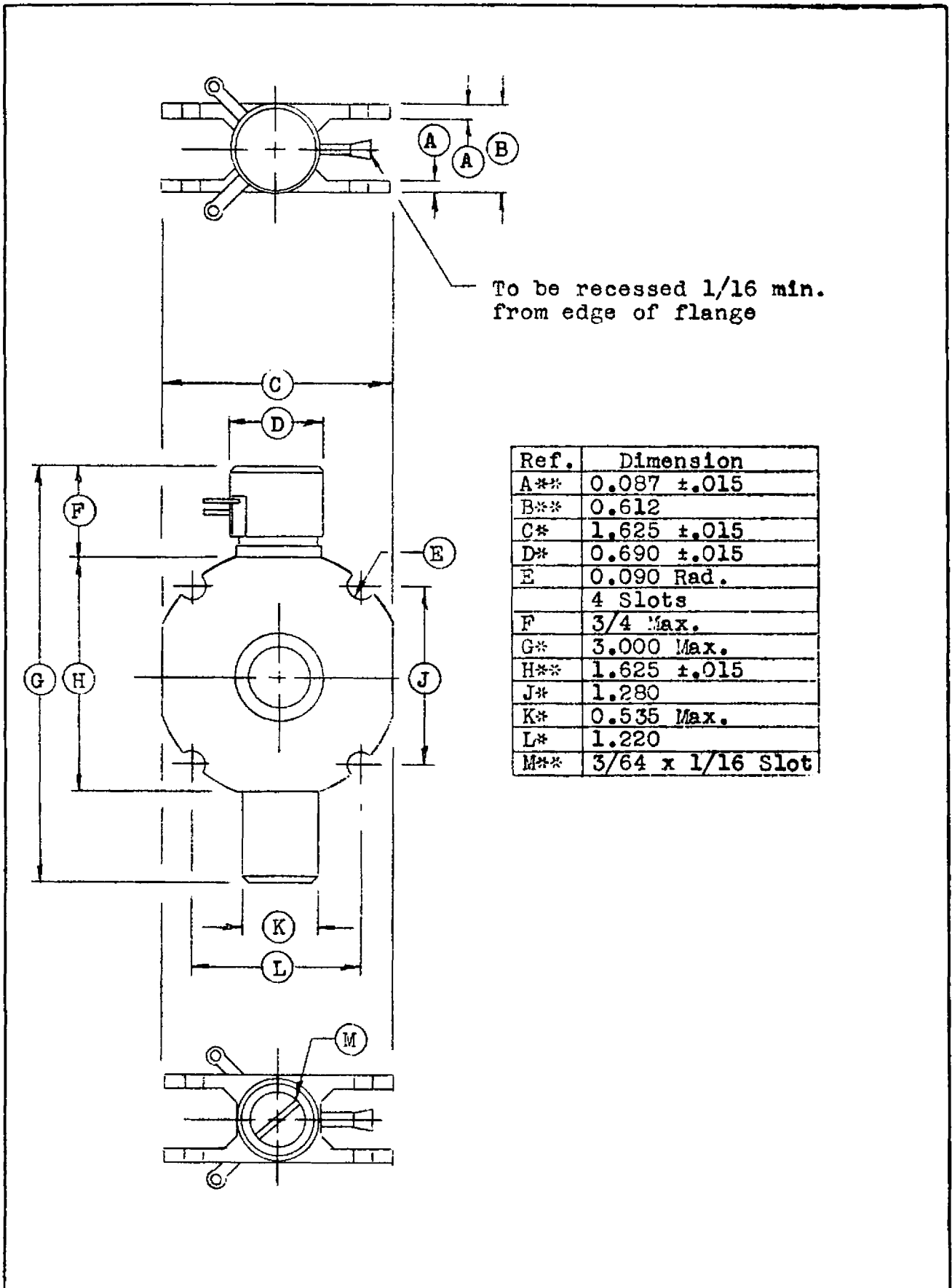
Mounting Position	any
Weight, Approximately	4 ozs.

ABSOLUTE MAXIMUM RATINGS

Transmitter Peak Power	1 kw.
Shutter Coil Holding Current	600m Adc.

OUTLINE DRAWING

As per attached drawing dated 7-6-56



Ref.	Dimension
A**	0.087 ±.015
B**	0.612
C*	1.625 ±.015
D*	0.690 ±.015
E	0.090 Rad.
	4 Slots
F	3/4 Max.
G*	3.000 Max.
H**	1.625 ±.015
J*	1.280
K*	0.535 Max.
L*	1.220
M**	3/64 x 1/16 Slot

	SPECIFICATION SHEET	BOMAC LABORATORIES INC. SALEM ROAD BEVERLY, MASSACHUSETTS
	Outline 6600/BL-323, BL-334	
		7-6-56 clr