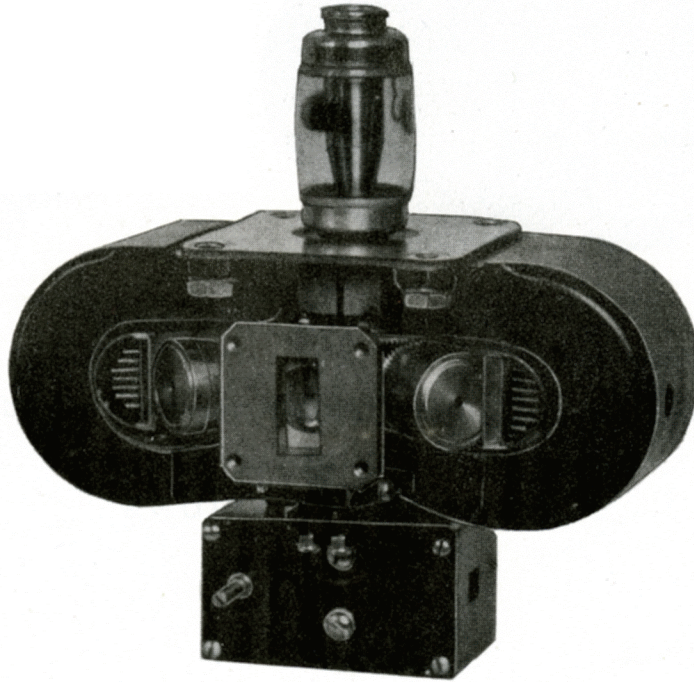




# MICROWAVE TUBES

## X-BAND MAGNETRONS



**BEL - 7008**

**Servo-tunable air cooled packaged magnetron for use as a pulsed oscillator in Navigational, Search and Fire Control Radar Systems.**

### SPECIFICATIONS

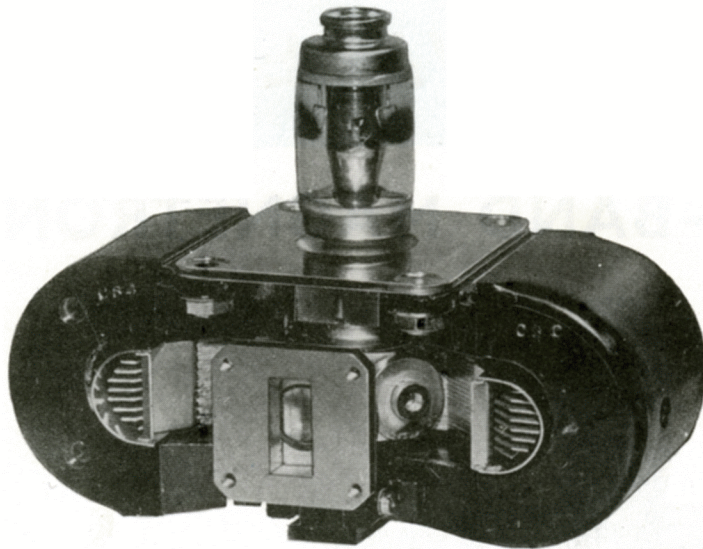
#### Electrical

Frequency	8500-9600 MHz (Mechanically Tunable)	Rate of Rise of Anode } Voltage }	70-220 KV/ $\mu$ s
Peak Output Power	225 KW (Nominal)	Maximum Duty Ratio	0.0011
Coupling	RG 51/U	Maximum Pulse Width	2.75 $\mu$ s
Maximum Anode } Current (Peak) }	27.5 A	Maximum VSWR at output	1.5 : 1
Anode Voltage (Peak)	20-23 KV	Maximum Pulling Figure	13.5 MHz

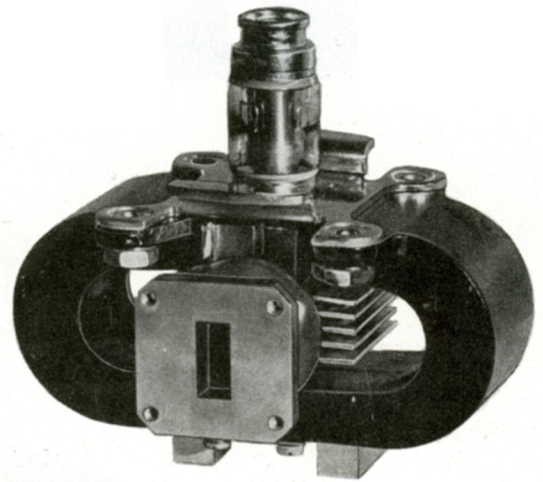
#### Mechanical

Overall Dimensions	195.25 $\times$ 209.52 $\times$ 118.73 mm	Maximum Tuner Torque	13.8 cm. kg.
Net Weight	5.9 kg. approx.	No. of Turns of the Drive Shaft To Cover Frequency	
Mounting Position	Any	Range from 8500-9600 MHz	160 turns

**BEL - 4J50 A**



**BEL - 4J52 A**



**Packaged magnetrons for pulsed service at fixed frequency**

**SPECIFICATIONS**

**Electrical**

9375  $\pm$  30 MHz  
225 KW  
RG - 51/U  
Forced Air  
27.5A  
20-23 KV  
70-220 KV/ $\mu$ s  
0.001  
3  $\mu$ s  
1.5 : 1  
15 MHz

Frequency  
Peak Output Power  
Coupler  
Cooling  
Anode Current (Peak)  
Anode Voltage (Peak)  
Rate of Rise of Anode Voltage  
Maximum Duty Ratio  
Maximum Pulse Length  
Maximum VSWR at the Output  
Maximum Pulling Figure

9375  $\pm$  30 MHz  
80 KW  
RG 52/U  
Forced Air  
15  $\pm$  1 A  
15  $\pm$  1 KV  
70-160 KV/ $\mu$ s  
0.003  
5  $\mu$ s  
1.5 : 1  
13 MHz

**Mechanical**

196 $\times$ 161.5 $\times$ 119.5mm  
4.8 kg. approx.  
Any

Overall Dimensions  
Net Weight  
Mounting Position

150.8 $\times$ 136.4 $\times$ 107.95 mm  
2.3 kg. approx.  
Any

Printed by BEL

Address your enquiries to Chief Commercial Manager



**BHARAT ELECTRONICS LTD.**

Regd. Office: Jalahalli, Bangalore-560013. India