

Beam Power Tube

CERMOLOX

Broadband UHF Operation
2300 w CW Output at 890 MHz

Matrix Cathode
Forced-Air Cooled

ELECTRICAL

Heater:

Type	Matrix Oxide Coated Unipotential Cathode
Voltage	{ 5.5 typ. V 6.0 max. V
Current at 5.5 V	31 A
Instantaneous Starting Current	90 max. A
Minimum Heating Time	180 s
Mu-factor (Grid No.2 to Grid No.1)	14

MAXIMUM CCS RATINGS, Absolute-Maximum Values

DC Plate Voltage	7000 V
DC Grid-No.2 Voltage	1000 V
DC Grid-No.1 Voltage	-250 V
DC Plate Current	3 A
Plate Dissipation	5000 W

MECHANICAL

Operating Position	Any
Weight (Approx.)	6 lb (2.7 kg)

THERMAL^a

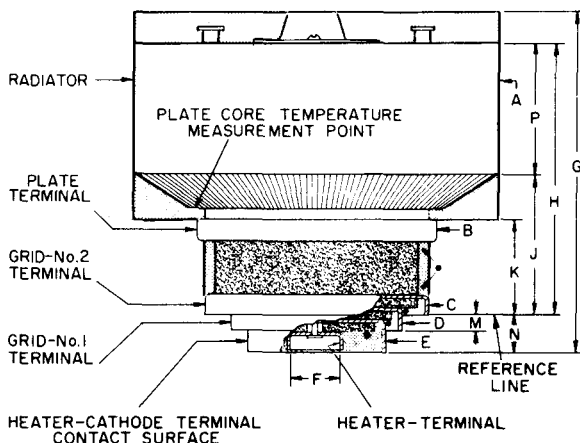
Seal Temperatures (Plate, Grid No.2, Grid No.1 Heater-Cathode, Heater)	250 max. °C
Plate Core Temperature	250 max. °C

^a See *Dimensional Outline* for temperature measurement points.

^b Keep all stippled regions clear. Do not allow contacts or circuit components to intrude into these annular regions.

Detailed performance and application information is available through your RCA Sales Office, Distributor, or write to RCA Commercial Engineering, Harrison, NJ 07029.

DIMENSIONAL OUTLINE



SEE FOOTNOTE (b)

CERAMIC

• TEMPERATURE MEASUREMENT POINT

92LM-2522V

DIMENSION	INCHES	MILLIMETERS
A Dia.	4.57 Max.	116.1 Max.
B Dia.	3.250 $\pm$.015	82.55 $\pm$.38
C Dia.	3.028 $\pm$.014	76.91 $\pm$.35
D Dia.	2.319 $\pm$.012	58.90 $\pm$.30
E Dia.	1.850 $\pm$.010	44.99 $\pm$.25
F Dia.	0.725 Max.	18.42 Max.
G	4.70 Max.	119.4 Max.
H	4.140 $\pm$.050	105.2 $\pm$ 1.2
J	1.620 $\pm$.040	41.15 $\pm$ 1.01
K	1.330 $\pm$.030	33.78 $\pm$.76
M	0.200 $\pm$.025	5.08 $\pm$.63
N	0.475 $\pm$.030	12.07 $\pm$.76
P	1.945 $\pm$.015	49.40 $\pm$.38