

Beam Power Tube

CERMOLOX

1000 Watts PEP Output

Full Input to 400 MHz

Sturdy, Reliable

Matrix Oxide Cathode

37 dB Open Loop Third Order Distortion

ELECTRICAL

Heater-Cathode:

Type Unipotential, Oxide Coated, Matrix Type

Voltage (ac or dc) 5.5 typ.-5.8 max. V

Current at 5.5 V 17.3 A

Minimum heating time 180 s

Mu-Factor (Grid No.1 to Grid No.2) 6.5

MAXIMUM CCS RATINGS, Absolute-Maximum Values:

Up to 400 MHz

DC Plate Voltages 3500 V

DC Grid-No.2 Voltage 1000 V

DC Plate Current 1.25 A

Grid-No.2 Input 50 W

Plate Dissipation 1.5 kW

MECHANICAL

Operating Position Any

Weight (Approx.) 2 lb (0.9 kg)

THERMAL^a

Seal Temperature 250 max. °C

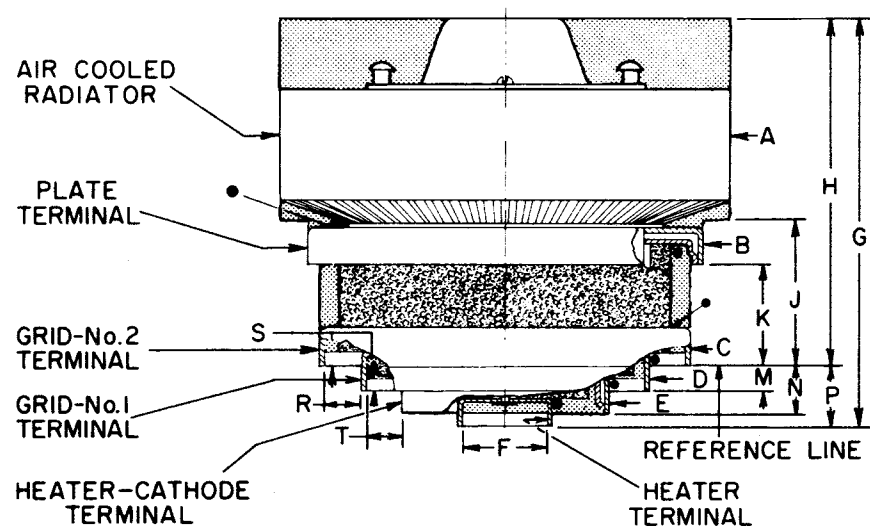
Plate-Core Temperature 250 max. °C

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

^b Keep all stippled regions clear. In general do not allow contacts to protrude into these annular regions. If special connectors are required which may intrude on these regions, contact RCA Power Tube Application Engineering, Lancaster, Pa., for guidance.

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

92LL-2420VI

DIMENSION	INCHES	MILLIMETERS
A Dia.	3.72 ± .03	94.49 ± .76
B Dia.	3.210 Min.	81.54 Min.
C Dia.	3.010 Min.	76.45 Min.
D Dia.	2.307 Min.	58.60 Min.
E Dia.	1.710 Min.	43.44 Min
F Dia.	0.725 Max.	18.41 Max.
G	3.24 ± .10	82.3 ± 2.5
H	2.78 ± .07	70.61 ± 1.78
J	1.160 + .005	29.464 + .127
K	- .000	- .000
M	0.82 ± .03	20.83 ± .76
N	0.200 ± .025	5.08 ± .63
P	0.37 ± .03	9.40 ± .76
R	0.46 ± .03	11.68 ± .76
S	0.250 Min.	6.35 Min.
T	0.105 Min.	2.66 Min.
	0.200 Min.	5.08 Min