

Beam Power Tube

CERMOLOX

Ruggedized

Full Input to 400 MHz

1000 Watts PEP Output

Matrix Cathode

37 dB Open-Loop Third Order Distortion

ELECTRICAL

Heater-Cathode:

Type Unipotential, Oxide Coated,
Matrix

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

Current at 5.5 V 17.3 A

Surge Current (RMS) 50 max. A
(Under any conditions)

Minimum Heating Time 180 s

Mu Factor (Grid No.1 to Grid No.2) 7

MAXIMUM CCS RATINGS, Absolute-Maximum Values:

Up to 400 MHz

DC Plate Voltage 3500 max. V

DC Grid-No.2 Voltage 1000 max. V

DC Plate Current at Peak of Envelope 1.25 max. A

Grid-No.2 Input 50 max. W

Plate Dissipation 1.5 max. kW

MECHANICAL

Operating Position Any

Weight (Approx.) 2 lb (0.9 kg)

THERMAL^a

Seal Temperature 250 max. °C

(Plate, Grid No.1, Grid No.2
Cathode-Heater, and Heater)

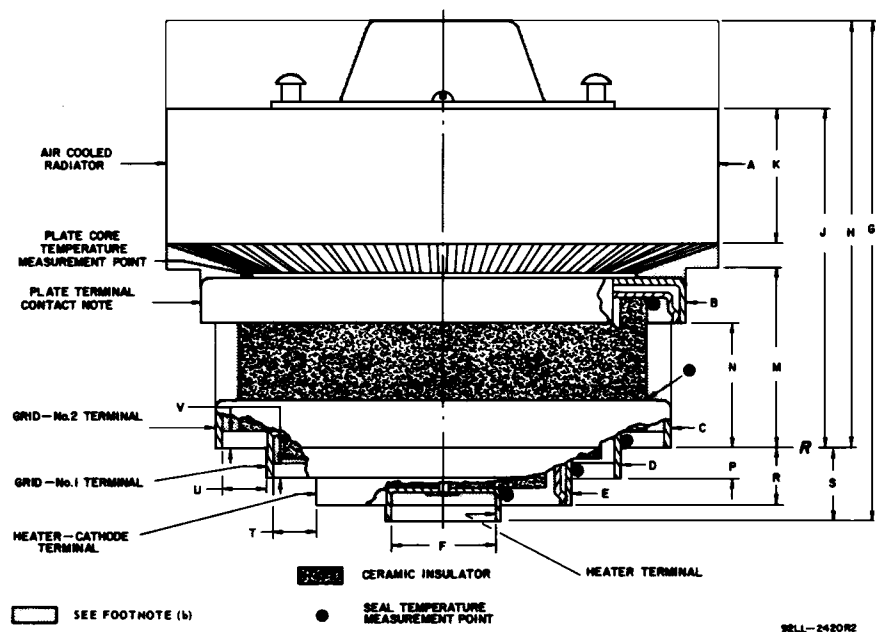
Plate-Core Temperature 250 max. °C

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

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

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

DIMENSIONAL OUTLINE



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.	43.41 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	2.19 ±.04	55.63 ± 1.02
K	0.85 Min.	21.59 Min.
M	1.160 +.005 -.000	29.464 +.127 -.000
N	0.82 ±.03	20.83 ±.76
P	0.200 ±.025	5.08 ±.63
R	0.37 ±.03	9.40 ±.76
S	0.46 ±.03	11.68 ±.76
T	0.200 Min.	5.08 Min.
U	0.250 Min.	6.35 Min.
V	0.105 Min.	2.66 Min.