

Beam Power Tube

CERMOLOX

Ruggedized

Matrix-Type Cathode

80 Watts CW Power Output

Conduction Cooled

at 400 MHz

Linear RF Power

40 Watts CW Power Output

Amplifier

at 1215 MHz

ELECTRICAL

Heater for Matrix-Type, Oxide-Coated,

Unipotential Cathode:

Voltage (ac or dc) $6.3 \pm 10\%$ V

Current at 26.5 volts 3.2 A

Minimum heating time 60 s

Mu-Factor, Grid No.2

to Grid No.1 18

MAXIMUM CCS RATINGS, Absolute-Maximum Values

Up to 1215 MHz

DC Plate Voltage 1000 V

DC Grid-No.2 Voltage 300 V

DC Grid-No.1 Voltage -100 V

DC Plate Current 180 mA

Plate Dissipation 115 W

MECHANICAL

Operating Position Any

Weight (Approx.) 2 oz (0.06 kg)

THERMAL^a

Terminal Temperature (Plate,

grid No.2, grid No.1, cathode,

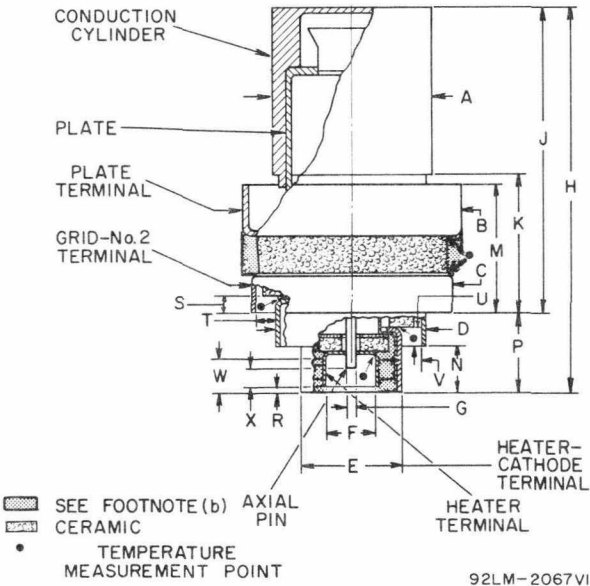
and heater) 250 max. °C

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 protrude into these annular volumes.

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

DIMENSIONAL OUTLINE



DI-MEN-SION	INCHES	MILLIMETERS
A	0.900 $\pm$.005	22.86 $\pm$.1
B	1.085 Min.	27.56 Min.
C	0.985 Min.	25.02 Min.
D	0.735 Min.	18.67 Min.
E	0.480 Min.	12.32 Min.
F	0.260 Max.	6.60 Max.
G	0.062 Max.	1.57 Max.
H	1.88 $\pm$.05	47.75 $\pm$ 1.27
J	1.51 $\pm$.03	38.35 $\pm$.76
K	0.730 $\pm$.02	18.54 $\pm$.51

DI-MEN-SION	INCHES	MILLIMETERS
M	0.66 $\pm$.02	16.76 $\pm$.51
N	0.175 $\pm$.015	4.45 $\pm$.38
P	0.37 $\pm$.02	9.40 $\pm$.51
R	0.025 $\pm$.025	0.64 $\pm$.64
S	0.06 Min.	1.52 Min.
T	0.09 Min.	2.29 Min.
U	0.12 Min.	3.05 Min.
V	0.095 Min.	2.41 Min.
W	0.10 Min.	2.54 Min.
X	0.054 Min.	1.37 Min.