

Beam Power Tube

CERMOLOX

Ruggedized

Oxide-Coated Cathode

80 Watts CW Power Output

Forced-Air 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)	26.5 ± 10%	V
Current at 26.5 volts	0.54	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	200	mA
Plate Dissipation	150	W

MECHANICAL

Operating Position	Any
Weight (Approx.)	(0.06 kg) 2 oz

THERMAL^a

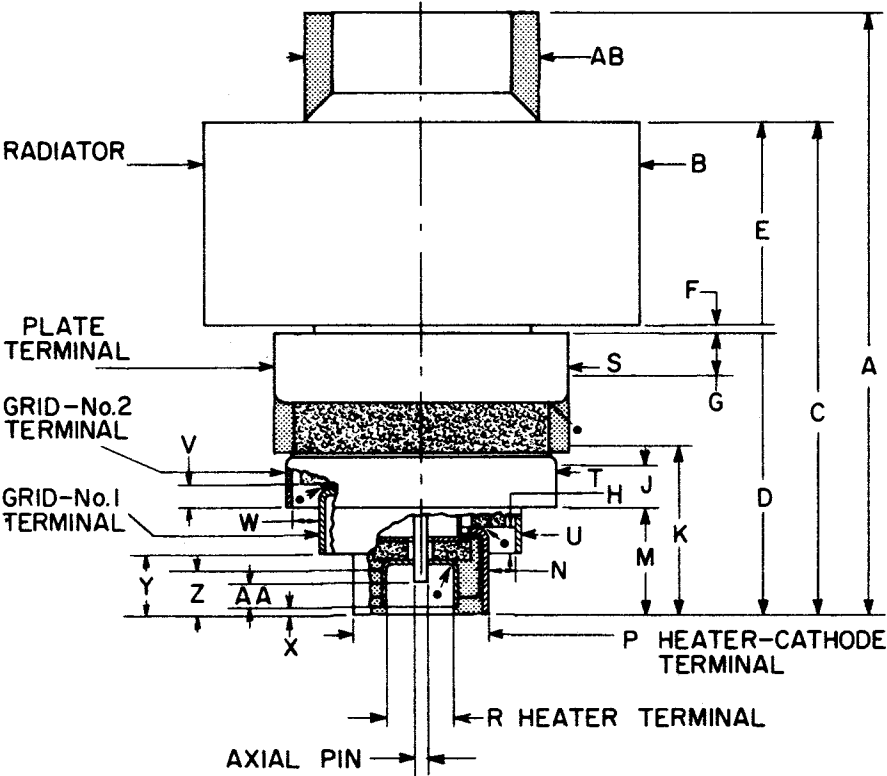
Terminal Temperature (Plate, grid No.2, grid No.1, cathode, and heater)	250 max. °C
Plate-Core Temperature	250 max. °C

^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



- SEE FOOTNOTE (b)
- CERAMIC
- TEMPERATURE MEASUREMENT POINT

92LM-2327V

DI-MEN-SION	INCHES	MILLIMETERS
A	2.270 Max.	57.66 Max.
B Dia.	1.625 ± .015 Max.	41.28 ± .38 Max.
C	1.840 ± .032	46.74 ± .81
D	1.030 ± .030	26.16 ± .76
E	0.750 ± .015	19.05 ± .38
F	0.030 Min.	0.76 Min.
G	0.165 Min.	4.19 Min.
H	0.120 Min.	3.05 Min.
J	0.140 Min.	3.56 Min.
K	0.600 Min.	15.24 Min.
M	0.370 ± .020	9.40 ± .51
N	0.095 Min.	2.14 Min.

DI-MEN-SION	INCHES	MILLIMETERS
P Dia.	0.480 Min.	12.19 Min.
R Dia.	0.260 Max.	6.60 Max.
S Dia.	1.085 Min.	27.56 Min.
T Dia.	0.985 Min.	25.02 Min.
U Dia.	0.735 Min.	18.67 Min.
V	0.060 Min.	1.52 Min.
W	0.090 Min.	2.29 Min.
X	0.025 ± .025	0.64 ± .64
Y	0.175 ± .015	4.45 ± .38
Z	0.100 Min.	2.54 Min.
AA	0.054 Min.	1.37 Min.
AB Dia.	0.85 Max.	21.6 Max.