

Beam Power Tube

CERMOLOX

1.0 kW VHF-TV

38 dB 3rd Order Distortion

Ruggedized

500 W PEP SSB up to 400 MHz

Forced-Air Cooled

Matrix Oxide Cathode

ELECTRICAL

Heater-Cathode:

Type	Unipotential, Oxide Coated, Matrix Type	
Voltage (ac or dc)	6.3 $\pm$ 5%	V
Current at 6.3 V	7.5	A
Heating Time	120 min.	s
Mu-Factor (Grid No.2 to Grid No.1)	13	

MAXIMUM CCS RATINGS, Absolute-Maximum Values

DC Plate Voltage	3000	V
DC Grid No.2 Voltage	750	V
DC Plate Current	500	mA
Grid No.2 Input	25	W
Plate Dissipation	1000	W

MECHANICAL

Operating Position:	Any
Weight (Approx.)	12 oz (0.3 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. Do not allow contacts or circuit components to protrude into these annular volumes.

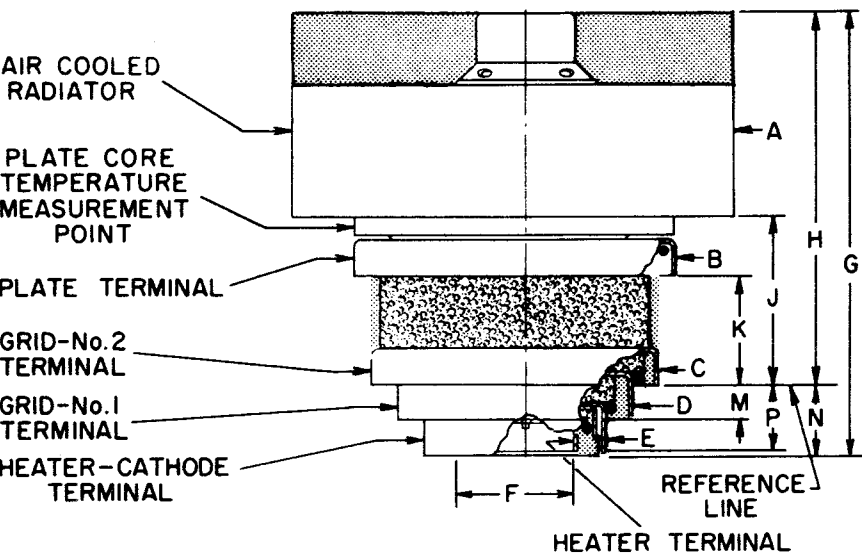
Detailed performance and application information is available through your RCA Sales Office, Distributor, or write to RCA Commercial Engineering, Harrison, NJ 07029.



Electronic
Components

DATA
9-68

DIMENSIONAL OUTLINE



SEE FOOTNOTE (b)
CERAMIC

TEMPERATURE MEASUREMENT POINT

92LS-2540V

DIMENSION	INCHES	MILLIMETERS
A Dia.	2.52 Max.	64.0 Max.
B Dia.	1.745 Min.	44.32 Min.
C Dia.	1.590 Min.	40.38 Min.
D Dia.	1.290 Min.	32.76 Min.
E Dia.	0.99 Min.	25.14 Min.
F Dia.	0.67 Max.	17.02 Max.
G	2.40 Max.	60.96 Max.
H	1.94 ±.04	49.28 ±1.01
J	0.895 ±.035	22.73 ± .88
K	0.575 ±.025	14.61 ± .63
M	0.20 ±.02	6.08 ± .50
N	0.40 ±.020	10.16 ± .50
P	0.385 ±.025	9.78 ± .63