

## VHF-TV Amplifier Tube

### 1000W Peak Sync. Output in VHF-TV Service

CERMOLOX®

Ruggedized, Reliable

Full Input to 400 MHz

Forced-Air Cooled

Matrix Oxide Cathode

**ELECTRICAL**

Heater-Cathode:

Type	Unipotential, Oxide Coated, Matrix Type
Voltage (ac or dc)	{ 6.3 typ. V 6.6 max. V
Current at 6.3 volts	7.5 A
Minimum Heating Time	120 s
Mu-Factor, (Grid No.2 to Grid No.1)	13

**GRID-MODULATED RF POWER AMPLIFIER—  
CLASS C TELEVISION SERVICE**

Maximum CCS Ratings, Absolute-Maximum Values	Up to 216 MHz
DC Plate Voltage	3000 V
DC Grid No. 2 Voltage	750 V
DC Grid No. 1 Voltage (white level)	-250 V
DC Plate Current	750 mA
Grid No. 2 Input	25 W
Plate Dissipation	1000 W
Grid No. 1 Current	100 mA

**MECHANICAL**

Operating Position	Any
Weight (Approx.)	3/4 lb (0.3 kg)

**THERMAL<sup>a</sup>**

Seal Temperature <sup>c</sup> (Plate, Grid No.2, Grid No.1, Cathode-Heater and Heater)	250 max. °C
Plate-Core Temperature	250 max. °C

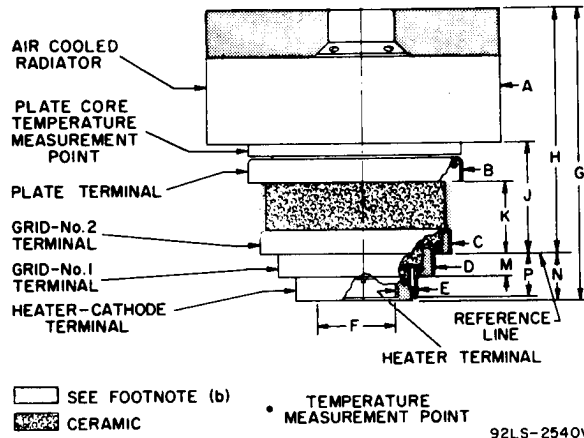
<sup>a</sup> See *Dimensional Outline* for temperature measurement points.

<sup>b</sup> 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, N.J. 07029.

# 8791/V1

## DIMENSIONAL OUTLINE



DIMENSION	INCHES	MILLIMETERS
A Max.	2.52	(64.0) Dia.
B Min.	1.745	(44.32) Dia.
C Min.	1.590	(40.38) Dia.
D Min.	1.290	(32.76) Dia.
E Min.	0.99	(25.14) Dia.
F Max.	0.67	(17.02) Dia.
G Max.	2.44	(62.0)
H	1.98 ± .04	(50.29 ± 1.01)
J	0.830 ± .035	(21.08 ± .88)
K	0.575 ± .025	(14.61 ± .63)
M	0.20 ± .02	(5.08 ± .51)
N	0.40 ± .02	(10.16 ± .51)
P	0.385 ± .025	(9.78 ± .63)