

VHF-TV Amplifier Tube

1350W Peak Sync. Output in VHF-TV Service

CERMOLOX[®]
Sturdy, Reliable

Full Input to 400 MHz
Matrix Oxide Cathode

ELECTRICAL

Heater-Cathode:

Type	Unipotential, Oxide Coated, Matrix Type		
Voltage ^a (ac or dc)	{	5.5 typ.	V
		5.8 max.	V
Current (@ 5.5 V)		17.3	A
Minimum heating time		180	s
Mu Factor ^b		6.5	
(Grid No.1 to Grid No.2)			

GRID-MODULATED RF POWER AMPLIFIER— CLASS C TELEVISION SERVICE

MAXIMUM CCS RATINGS, Absolute-Maximum Values:

	<i>Up to 400 MHz</i>	
DC Plate Voltages	3500	V
DC Grid-No. 2 Voltages	1000	V
DC Plate Current	1.25	A
Grid-No. 2 Input	50	W
Plate Dissipation	1500	W
Grid-No. 1 Current	200	mA

MECHANICAL

Operating Position	Any
Weight (Approx.)	2 lbs (0.9 kg)

THERMAL^a

Seal Temperature	250 max.	°C
Plate Core Temperature	250 max.	°C

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

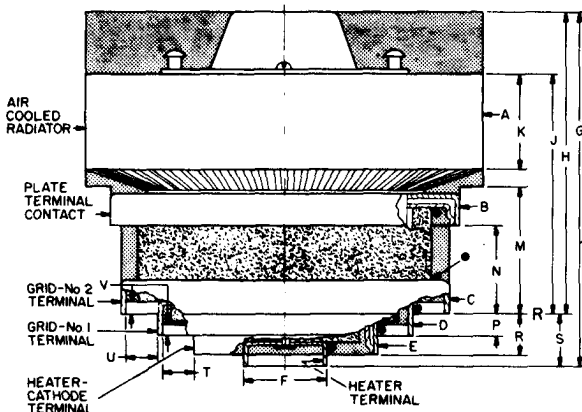
^b Keep all stippled regions clear. In general do not allow contacts to protrude into these annular regions. If special connectors are required which may intrude on these regions, contact RCA Power Tube Application Engineering, Lancaster, Pa., for guidance.

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



**Electronic
Components**

DATA
2-71



NOTE 2



CERAMIC INSULATOR

TEMPERATURE
MEASUREMENT POINT

92CS-17684

DIMENSION	INCHES	MILLIMETERS
A	$3.72 \pm .03$	$(94.49 \pm .76)$ Dia.
B Min.	3.210	(81.54) Dia.
C Min.	3.010	(76.45) Dia.
D Min.	2.307	(58.60) Dia.
E Min.	1.710	(43.41) Dia.
F Max.	0.725	(18.41) Dia.
G	$3.24 \pm .10$	(82.3 ± 2.5)
H	$2.78 \pm .07$	(70.61 ± 1.78)
J	$2.19 \pm .04$	(55.63 ± 1.02)
K Min.	0.85	(21.59)
M	$1.160^{+.005}_{.000}$	$(29.464^{+.127}_{-.000})$
N	$0.82 \pm .03$	$(20.83 \pm .76)$
P	$0.200 \pm .025$	$(5.08 \pm .63)$
R	$0.37 \pm .03$	$(9.40 \pm .76)$
S	$0.46 \pm .03$	$(11.68 \pm .76)$
T Min.	0.200	(5.08)
U Min.	0.250	(6.35)
V Min.	0.105	(2.66)