

Beam Power Tube

CERMOLOX**12.5 kW Peak Sync Output****Full Input to 400 MHz****thru VHF-TV High Band****2.5 kW Carrier for Linear Operation****ELECTRICAL**

Filamentary Cathode:

Type Thoriated-Tungsten Mesh

Voltage (ac or dc) 5.7 typ.-6.0 max. V

Current:

Typical value at 5.7 volts 125 A

Maximum value for starting
even momentarily 300 ACold Resistance 0.005 Ω

Minimum heating time 15 s

Mu-Factor (Grid No.2 to Grid No.1) 20

MAXIMUM CCS RATINGS, Absolute-Maximum Values

	Up to 400 MHz
DC Plate Voltage	8000 max. V
DC Grid-No.2 Voltage	1650 max. V
DC Grid-No.1 Voltage	-450 max. V
DC Plate Current	4.0 max. A
Grid-No.1 Input.	150 max. W
Grid-No.2 Input	250 max. W
Plate Dissipation	12500 max. W

MECHANICAL

Operating Position Vertical, either end up

Weight (Approx.) 10 lb (4.54 kg)

THERMAL^aSeal Temperature (Plate, grid No.2,
grid No.1, filament-cathode

and filament) 250 max. °C

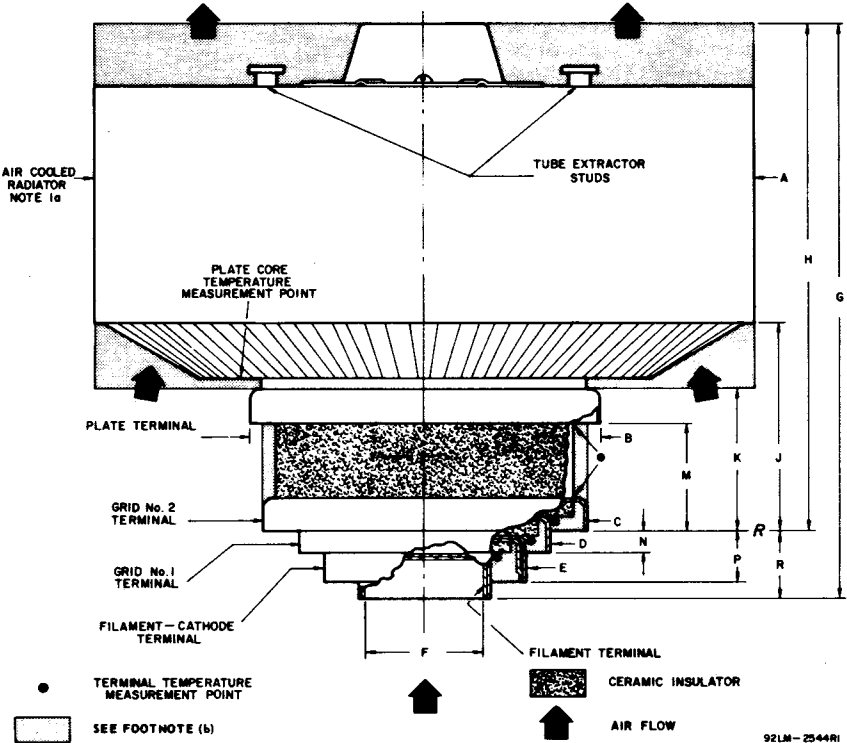
Plate-Core Temperature 250 max. °C

^aSee *Dimensional Outline* for temperature measurement points.^bKeep all strippled regions clear. Do not allow contacts or
circuit components to protrude into these annular regions.

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



DIMENSIONAL OUTLINE



DIMENSION	INCHES	MILLIMETERS
A Dia.	6.135 ±.035	155.83 ±.88
B Dia.	3.235 Min.	82.17 Min.
C Dia.	3.014 Min.	76.56 Min.
D Dia.	2.307 Min.	58.60 Min.
E Dia.	1.840 Min.	46.74 Min.
F Dia.	1.210 Max.	30.73 Max.
G	5.370 ±.080	136.4 ±2.0
H	4.715 ±.050	119.7 ±1.2
J	1.940 ±.040	49.28 ±1.01
K	1.330 ±.030	33.78 ±.76
M	1.005 ±.020	25.53 ±.51
N	0.200 ±.025	5.08 ±.63
P	0.475 ±.030	12.06 ±.76
R	0.650 ±.030	16.51 ±.76