Beam Power Tube

CERMOLOX

10,000 Watts PEP Output — 15,000 Watts Output
Full Input to 400 MHz — Telegraphy or FM Telephony
Sturdy, Reliable, Thoriated Tungsten, Mesh Filaments

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	A
Cold Resistance	0.005	Ω
Minimum heating time	15	s
Mu-Factor, (Grid-No.2 to Grid-No.1)	10	

MAXIMUM CCS RATINGS, Absolute-Maximum Values:

	Up to 400 MHz	
DC Plate Voltage	8000	V
DC Grid-No.2 Voltage	1650	V
DC Plate Current at Peak of Envelope	4.0	A
Plate Dissipation	12.5	kW

MECHANICAL

Operating Position	Vertical, either end up
Weight (Approx.)	10 lb (4.54 kg)

THERMAL[a]

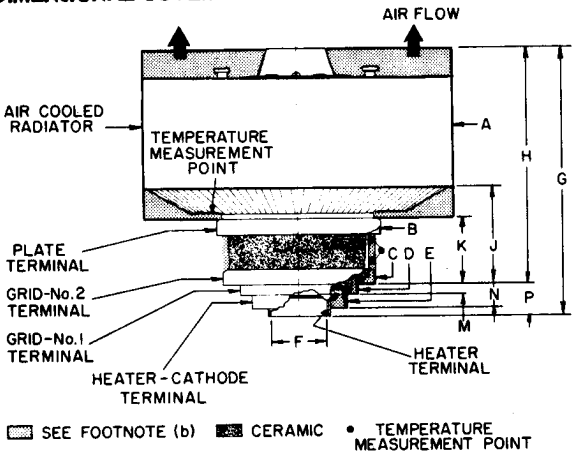
Seal Temperature (Plate, grid No.2, grid No.1, cathode heater, 2nd heater)	250 max. °C
Plate-Core Temperature	250 max. °C

[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. Diameters of stippled areas above air-cooled radiator, plate terminal contact surface, and grid-No.2 terminal contact surface shall not be greater than its associated diameter.

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

DIMENSIONAL OUTLINE



92LM-2544V

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	0.200 ±.025	5.08 ±.63
N	0.475 ±.030	12.06 ±.76
P	0.650 ±.030	16.51 ±.76