Beam Power Tube

CERMOLOX — **17 kW Pulsed RF Output**
Matrix Cathode — **Full Input to 1215 MHz**
Forced-Air Cooled — **UHF Pulsed RF Amplifier**

For Use In Airborne, Shipboard, Mobile, Stationary Equipment

ELECTRICAL

Heater[a]

Type	Matrix, Oxide Coated Unipotential Cathode	
Voltage (ac or dc)	6.3	V
Current at 6.3 V	3.2	A
Minimum heating time	60	s

MAXIMUM RATINGS, Absolute-Maximum Values

For frequencies up to 1215 MHz and for a maximum "ON" time as specified in any 1000-microsecond interval.

Peak Positive-Pulse Plate Voltage	7000	V
DC Plate Voltage	4000	V
DC or Peak Positive-Pulse Grid-No. 2 Voltage	1000	V
Negative Pulse Grid-No. 1 Voltage	200	V
DC Plate Current During Pulse With 5-microsecond "ON" time	6	A
DC Plate Current With 5-microsecond "ON" time	0.050	A
Plate Dissipation (Average)	125	W
Useful Peak Power Output With 5-microsecond "ON" time	17000	W

MECHANICAL

Operating Position	Any
Weight (Approx.)	2 oz (0.06 kg)

THERMAL[b]

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

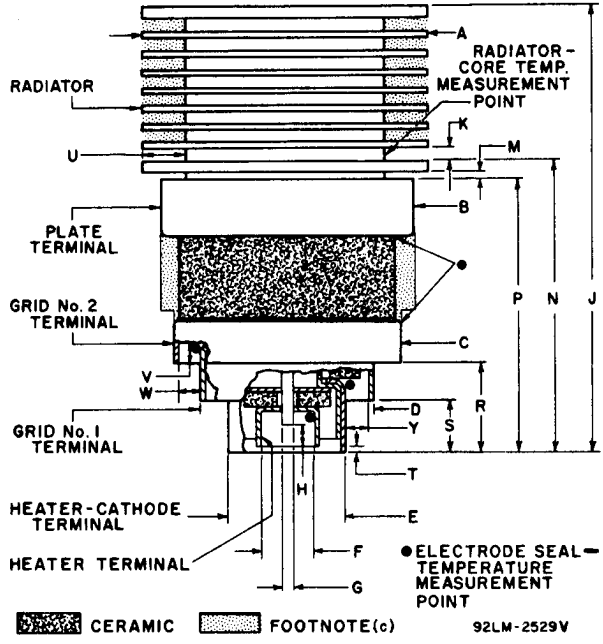
[a] See *Electrical Considerations-Filament or Heater*, under *RCA Transmitting Tube Operating Considerations* given at front of this section.

[b] See *Dimensional Outline* for temperature measurement points.

[c] Keep all stippled 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.	1.250 ±.015	31.75 ± .38
B Dia.	1.100 ±.015	27.94 ± .38
C Dia.	1.000 ±.015	25.40 ± .38
D Dia.	0.750 ±.015	19.05 ± .38
E Dia.	0.500 $^{+.017}_{-.020}$	12.70 $^{+.43}_{-.50}$
F Dia.	0.250 ±.010	6.35 ± .25
G Dia.	0.070 Max.	1.78 Max.
H	0.054 Min.	1.37 Min.
J	2.080 ±.050	52.8 ± 1.2
K	0.050 Min.	1.27 Min.

DIMENSION	INCHES	MILLIMETERS
M	0.035 Min.	0.89 Min.
N	1.335 ±.045	33.91 ± 1.14
P	1.230 ±.030	31.22 ± .76
R	0.370 ±.020	9.40 ± .50
S	0.175 ±.015	4.45 ± .38
T	0.025 ±.025	0.64 ± .63
U	0.200 Min.	5.08 Min.
V	0.060 Min.	1.52 Min.
W	0.090 Min.	2.29 Min.
X	0.120 Min.	3.05 Min.
Y	0.095 Min.	2.41 Min.