THE



CORPORATION

237P4

4245 NORTH KNOX AVE.

CHICAGO 41, ILLINOIS

TELEPHONE MULBERRY 5-5000 TELETYPE CG 2790

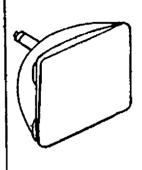
DESCRIPTION

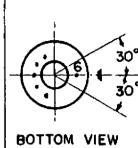
23" Direct View Rectangular Glass Envelope Spherical Faceplate Gray Filter Glass Aluminized Screen

6.3 Volt, 600 Ma. Heater

Low G2 Voltage (50 V.) Cathode Drive Design 900 Magnetic Deflection Electrostatic Focus External Conductive Coating

No Ion Trap Bonded Implosion Panel





BASE

ELECTRICAL DATA

Focusing Method Deflection Angles, Approximate Horizontal Vertical Diagonal

Direct Interelectrode Capacitances

Cathode to all other electrodes, approximate Grid #1 to all other electrodes, approximate External Conductive Coating to Anode

Heater Current at 6.3 volts Heater Warm-up time

Phosphor Number

OPTICAL DATA

Light Transmittance at Center, Approximate

MECHANICAL DATA

Overall Length Greatest Diameter of Tube (Implosion Panel) Diagonal

Width Height

Minimum Useful Screen Dimensions (Projected)

Diagonal Horizontal Axis Vertical Axis Area Neck Length

Bulb Implosion Panel

Bulb Contact Base

Basing

Bulb Contact Alignment

Anode contact aligns with pin position #6

Electrostatic

76 Degrees 62 Degrees 90 Degrees

5 uuf 6 uuf 2500 max. uuf

2000 min. uuf 600 / 10% ma 11 Seconds

P4, Aluminized 40 Percent

19 15/32 £ 7/16 Inches

24 45/64 # 3/32-1/16 Inches 21 5/16 £ 1/8 Inches

17 13/32 \neq 3/32-1/8 Inches

22 5/16 Inches 19 5/16 Inches 15 1/4 Inches 282 Sq. Inches

 $5 \frac{5}{8} \neq \frac{3}{16}$ Inches C - 187 EXP #2 or equivalent

FP198Al or equivalent

J1-21 B6-63 12L

£30 Degrees

a subsidiary of Radio Corporation - Chicago

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RATINGS (Design Maximum System)		
Unless otherwise specified, voltages are		
positive and measured with respect to Grid #1		
Maximum Anode Voltage	22,000	Volts
Minimum Anode Voltage	15,000	Volts
Maximum Grid #4 (Focusing Electrode) Voltage	∤1100 - 500	Volts
Maximum Grid #2 Voltage	70	Volts
Minimum Grid #2 Voltage	40	Volts
Cathode Voltage	100	Volts
Maximum Heater Voltage	7	Volts
Minimum Heater Voltage	5.8	Volts
Maximum Heater-Cathode Voltage		
Heater negatives with respect to cathode		
During warm-up period not to exceed 15 seconds	-410	Volts
After equipment warm-up period	-180	Volts
Heater positive with respect to cathode	180	Volts
TYPICAL OPERATING CONDITIONS		
CATHODE DRIVE SERVICE		
Unless otherwise specified, all voltage values		
are positive with respect to Gride #1		
Anode Voltage 2,3	18,000	Volts
Grid #4 Voltage (Focusing Electrode)	2 50	Volts
Grid #2 Voltage,	50	
Cathode Voltage ¹	35 to 50	Volts
MAXIMUM CIRCUIT VALUES		

NOTES

1. Visual extinction of focused raster.

Maximum Grid #1 Circuit Resistance

- 2. With the combined grid #1 bias voltage and video-signal voltage adjusted to give an anode current of 150 microamperes on a 19 5/16 x 15 1/4 pattern from RCA 2F21 Monoscope or equivalent.
- 3. Individual tubes will have satisfactory focus at some value between 0 and 500 volts.

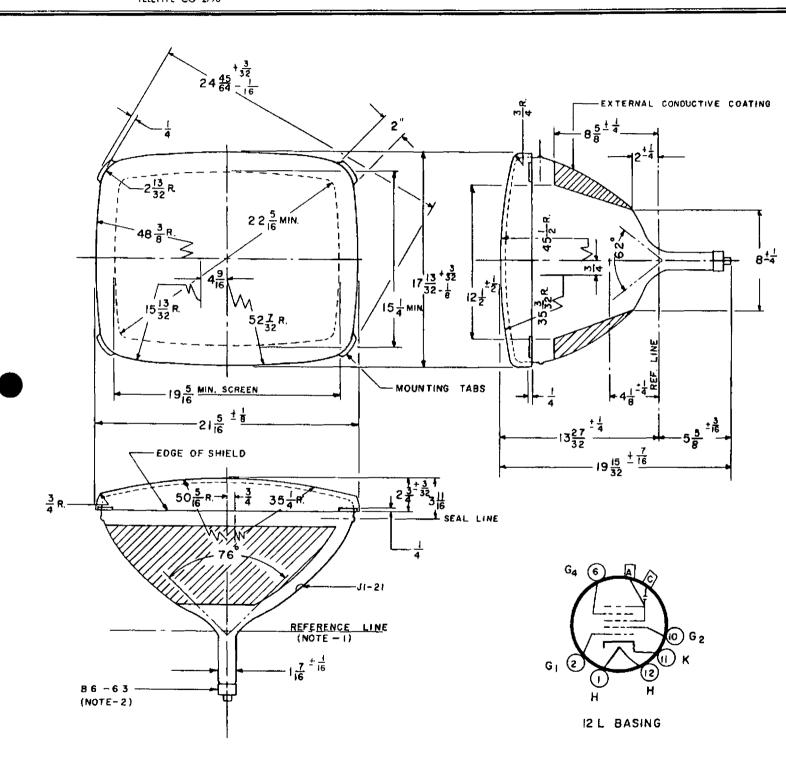
1.5

Megohms

4245 NORTH KNOX AVE.

CHICAGO 41, ILLINOIS

TELETYPE CG 2790



NOTE:

- I. REFERENCE LINE AS DETERMINED BY PLANE C-C OF J.E.D.E.C. REFERENCE LINE GAUGE 116
 - 2. BASE PIN NO.6 ALIGNS WITH ANODE CONTACT WITHIN 30°