DESCRIPTION
19" Direct View
Rectangular Glass Envelope
Spherical Faceplate
Gray Filter Glass
Aluminized Screen
6.3 Volt, 600 Ma. Heater

Low C2 Voltage (35V.)
Cathode Drive Design
11\degree Magnetic Drive Design
Electrostatic Focus
External Conductive Coating
No Ion Trap

ELECTRICAL DATA
Focusing Method
Electrostatic
Deflection Angles, Approximate
Horizontal 103 Degrees
Vertical 86 Degrees
Diagonal 114 Degrees
Direct Interelectrode Capacitances
Cathode to all other electrodes, approximate
Grid #1 to all other electrodes, approximate
External Conductive Coating to Anode
5 uuf 6 uuf
1900 max. uuf
1400 min. uuf
600+ 10% Ma.

Heater Current at 6.3 volts
11 Seconds
Heater Warm-up Time

OPTICAL DATA
Phosphor Number
P4 Aluminized
Light Transmittance at Center, Approximate
78 Percent

MECHANICAL DATA
Overall Length
11 5/8 ± 1/4 Inches
Greatest Dimensions of Tube
Diagonal 18 5/8 ± 1/8 Inches
Width 16 13/32 ± 1/8 Inches
Height 13 11/32 ± 1/8 Inches

Minimum Useful Screen Dimensions (Projected)
Diagonal 17 9/16 Inches
Horizontal Axis 15 1/8 Inches
Vertical Axis 12 Inches
Area 172 Sq. Inches
Neck Length 4 3/8 ± 1/8 Inches
Bulb J1-21
Bulb Contact B6-214
Base 7FA
Basing
Bulb Contact Alignment
Anode contact aligns with pin position #7
± 30 Degrees
RATINGS (Design Maximum System)

Unless otherwise specified, voltages are positive and measured with respect to Grid #1

Maximum Anode Voltage
Minimum Anode Voltage
Maximum Grid #4 (Focusing Electrode) Voltage + 1100 - 500 Volts
Maximum Grid #2 Voltage
Minimum Grid #2 Voltage
Cathode Voltage
Maximum Heater Voltage
Minimum Heater Voltage
Maximum Heater-Cathode Voltage

Heater negatives with respect to cathode
During warm-up period not to exceed 15 Seconds
After equipment warm-up period
Heater positive with respect to cathode

Typical Operating Conditions

Cathode Drive Service

Unless otherwise specified, all voltage values are positive with respect to Grid #1

Anode Voltage
Grid #4 Voltage (focusing electrode) 2, 3
Grid #2 Voltage
Cathode Voltage 1

Maximum Circuit Values

Maximum Grid #1 Circuit Resistance

NOTES

1. Visual extinction of focused raster.

2. With the combined grid #1 bias voltage and video-signal voltage adjusted to give an anode current of 150 microamperes on a 15 1/8 x 12 pattern from 2F21 Monoscope or equivalent.

3. Individual tubes will have satisfactory focus at some value between 0 and 500 Volts.

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NOTE:

1. REFERENCE LINE AS DETERMINED BY PLANE C–C' OF J.E.D.E.C.
REFERENCE LINE GAUGE NO. 126

2. BASE PIN NO. 7 ALIGNS WITH ANODE CONTACT WITHIN 30°