

Projection Kinescope

FORCED-AIR COOLED
ELECTROSTATIC FOCUS

MAGNETIC DEFLECTION
20 FT. x 15 FT. PROJECTED PICTURES

*For Black-and-White Projection Systems in Theater and
Closed-Circuit Television Applications*

The 7WP4 is the same as the 7NP4 except for the following items:

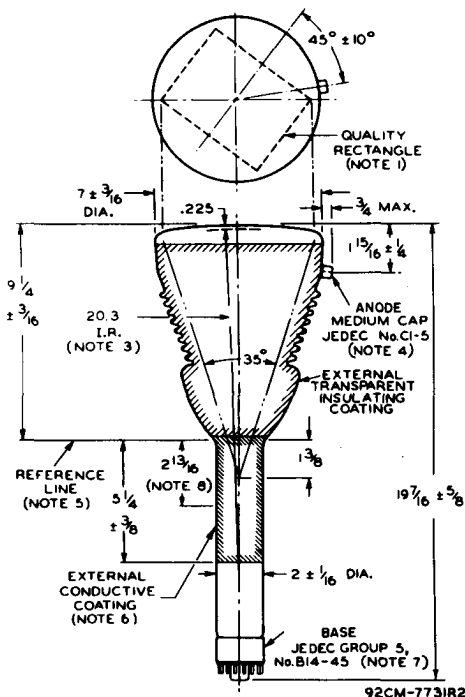
OPTICAL

Projection-Throw Distance for 20 ft x 15 ft Picture. . . .80 ft

MECHANICAL

Overall Length 19-7/16 ± 5/8 in

DIMENSIONAL OUTLINE



92CM-7731R2

DIMENSIONS IN INCHES

See notes on
other side.



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DATA
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Note 1: When viewed from the face of the tube, the minor axis of the 5 inch x 3-3/4 inch quality rectangle is located $45^{\circ} \pm 10^{\circ}$ in a counter-clockwise direction from a plane through the anode terminal and the tube axis.

Note 2: Inside surface of faceplate within the quality rectangle may vary ± 0.006 inch from the spherical surface having a 15.315 inch radius (Type 7NP4 only).

Note 3: Inside surface of faceplate within the quality rectangle may vary ± 0.006 inch from the spherical surface having a 20.3 inch radius.

Note 4: The plane through base Pin No.9 and the tube axis may vary from the plane through the anode terminal and the tube axis by an angular tolerance (measured about the tube axis) of $\pm 70^{\circ}$. The anode terminal is on same side as Pin No.9.

Note 5: Reference line is determined by position where gauge 2.100 inch ± 0.001 inch I.D. and 3 inch long will rest on bulb cone.

Note 6: External conductive coating must be grounded.

Note 7: Socket for this base should not be rigidly mounted; it should have flexible leads and be allowed to move freely. Socket contacts for Pins 5, 6, 7, 8, 10, 11, 12, and 13 should be removed in order to provide maximum insulation for Pin No.9.

Note 8: Effective deflecting field must be within this space.

REFLECTIVE OPTICAL SYSTEM

Arrangement of Typical Optical System and Air-Cooling System for Theater-Television Projector Using Reflective Optical Principles and 7WP4

