



SUBJECT: Process Specification

1. EQUIPMENT As specified in 34-17-14.
2. MATERIALS
 - Z642 Zinc-Magnesium Fluoride Suspension, 30 mg/cc.
 - * P264D Potassium Silicate, 16%.
 - P69B Potassium Sulfate Solution, 1N.
 - W7K Distilled, W7J Distilled, or W60D Deionized Water.
 - K7 Hydrofluoric Acid.



HYDROFLUORIC ACID SAFETY PRECAUTIONS: See 33-2-7A.

3. PROCEDURE: Initially for 2.5 mg/cm² 5CP12 screens.

MAY 1955

- a. Rinse bulbs with distilled or deionized water and drain.
- b. Place bulbs on settling table
- c. Measure the following materials into a 3-liter Florence flask:
 - 46 cc. Zinc-magnesium fluoride suspension, 30 mg/cc.
 - 350 cc. Potassium sulfate solution, 1N.
 - * 40 cc. Potassium silicate, 16%.
 - * 1364 cc. Distilled or deionized water.
 - 1800 cc. Total settling suspension.
- d. Shake flask vigorously and pour 450 cc. of above settling suspension into a graduate.
- e. Add contents of graduate to bulb through an open-end funnel equipped with 325-mesh stainless steel strainer insert.
- f. Allow screen to settle at least 2 hours, but not more than 3 hours.
- g. Pour off clear solution - pouring time 6-8 minutes.
- h. Air dry 3-4 minutes.
- i. Wash neck and face with 0.5-1.0% hydrofluoric acid.
- j. Alternate bulb cleaning process - see 34-17-4P.

ENGINEERING SECTION
 STANDARDIZING

SCALE—

DIMENSIONS IN

UNLESS OTHERWISE SHOWN.

DIMENSIONS SHOWN WITHOUT TOLERANCES ARE DESIGN CENTERS

23-552-2-64 PCL26696-126JD

* CHANGE
 ** ADDITION
 *** DELETION

These drawings and specifications are the property of Radio Corp. of America, RCA Victor Div. and shall not be reproduced or copied or used as the basis for the manufacture or sale of apparatus and/or devices without permission.

13D26-R1