



RADIO MANUFACTURERS ASSOCIATION
ENGINEERING DEPARTMENT

Release No. 429

August 20, 1945

TYPE 1P24

Vacuum phototube; cartridge type.

sponsor:

General Electric Co.

GENERAL CHARACTERISTICS

Number of Electrodes

2

Electrical

Cathode Photosurface

S-4

Luminous Sensitivity at 135 Volts,
0 cycles - minimum

40 Microamperes per
Lumen

Maximum Gas Amplification

1.1

Interelectrode Capacitances

0.5 Micromicrofarad

Maximum Dark Current at 250 Volts

0.05 Microamperes

Wavelength of Maximum Response

4500

Sensitivity at Maximum Response

0.040 Microamperes per
Microwatt

Mechanical

Illuminated Area of Cathode

(Light at a 60° angle with tube axis) 0.25 Square Inch

Maximum Overall Height

1.054 Inches

Maximum Diameter

0.885 Inch

Mounting Position

Any

Net Weight, approximate

2 Ounces

MAXIMUM RATINGS

Anode Voltage (D-c or Peak A-c)

500 Volts

Cathode Current Density

100 Microamperes per
Square Inch

Ambient Temperature

50 C

Ratings are on an absolute maximum basis.

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