



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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