



**RADIO MANUFACTURERS ASSOCIATION  
ENGINEERING DEPARTMENT**

sponsor:  
Rauland Corp.  
  
Release No. 404  
  
April 20, 1945

**TYPE 1P36\***

(Gas filled Phototube; two electrodes)

General Characteristics

Electrical

Cathode Photo-Surface	S1
Luminous Sensitivity at 90 volts, 0 cycles	125 ua/Lumen
Max. gas amplification	10
Interelectrode Capacitances	1.5 - 4 uuf
Maximum dark current at 90 volts	0.1 ua
Wave length of maximum response	8000 A
Sensitivity at maximum response	0.012 ua/uwatt

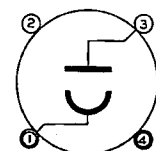
Mechanical

Window Dimensions	0.875" x 0.562"
Seated Height to Center of Useful Cathode Area	1.688 in.
Maximum Overall Height	3.22 in.
Maximum Seated height	2.62 in.
Maximum Diameter	1.17 in.
Base	Tapered Small or Dwarf 4-pin.
Permissible Mounting Position	Any
Base Connections	2G

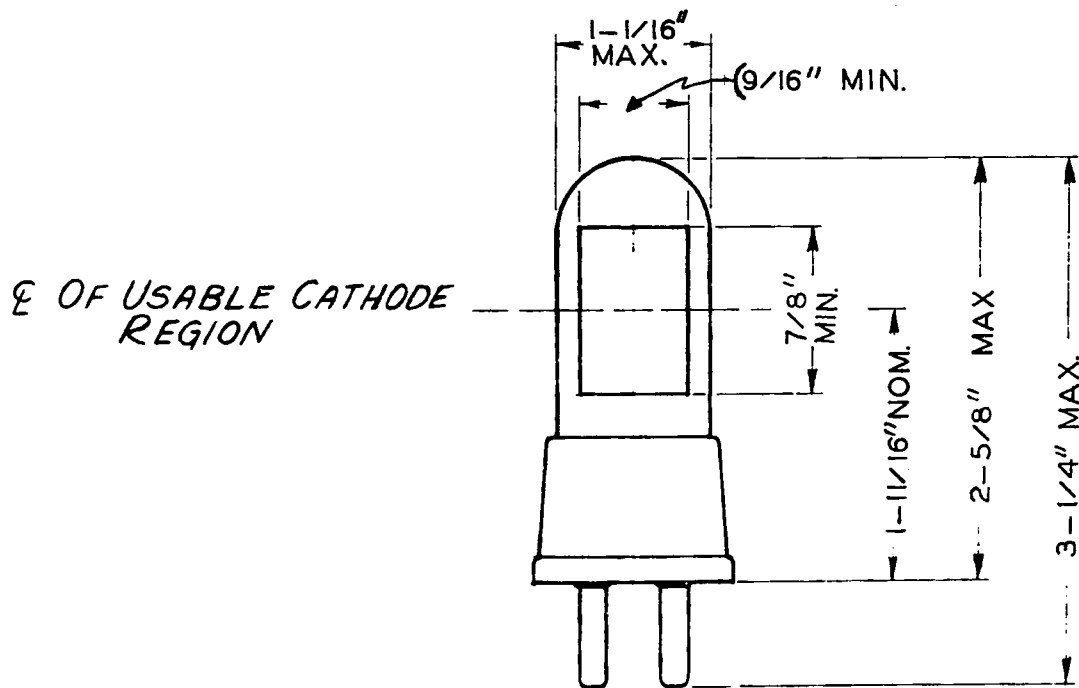
Maximum Ratings (absolute)

Anode Voltage (DC or Peak AC)	90 volts
Cathode Current Density for 0.2 sq. in. sensitive cathode area	100 ua/in <sup>2</sup>
Average Cathode Current	20 ua
Ambient Temperature	100°C.

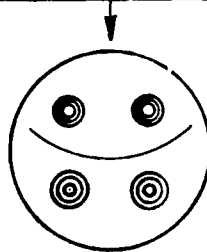
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# TYPE IP34 PHOTOTUBE



DIRECTION OF LIGHT



TAPERED SMALL OR DWARF 4-PIN BASE