



934

# VACUUM PHOTOTUBE

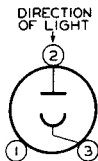
WITH S-4 RESPONSE

## DATA

### General:

Spectral Response . . . . .	S-4
Wavelength of Maximum Response. . . . .	4000 ± 500 angstroms
Cathode:	
Shape . . . . .	Semi-Cylindrical
Minimum Projected Length* . . . . .	11/16"
Minimum Projected Width*. . . . .	7/16"
Direct Interelectrode Capacitance . . . . .	1.5 $\mu$ f
Maximum Overall Length. . . . .	2-13/32" ←
Maximum Seated Length . . . . .	1-15/16" ←
Seated Length to Center of Cathode. . . . .	1-1/4" ± 3/32"
Maximum Diameter. . . . .	0.669" ←
Bulb. . . . .	T-5-1/4 ←
Mounting Position . . . . .	Any
Base. . . . .	Small-Shell Peewee 3-Pin
Basing Designation for BOTTOM VIEW. . . . .	2F1

Pin 1 - No  
Connection



Pin 2 - Anode  
Pin 3 - Cathode

### Maximum Ratings, Absolute Values:

ANODE-SUPPLY VOLTAGE (DC or Peak AC)	250 max. . . . .	volts
PEAK CATHODE CURRENT. . . . .	12 max. . . . .	$\mu$ amp
PEAK CATHODE-CURRENT DENSITY. . . . .	100 max. $\mu$ amp/sq.in.	
AVERAGE CATHODE CURRENT*. . . . .	4 max. . . . .	$\mu$ amp
AMBIENT TEMPERATURE . . . . .	75 max. . . . .	°C

### Characteristics:

	<u>Min.</u>	<u>Av.</u>	<u>Max.</u>	
DC Dark Current <sup>a</sup> . . . . .	-	-	0.005	$\mu$ amp
Sensitivity:				
At 4000 angstroms . . . . .	-	0.028	-	$\mu$ amp/ $\mu$ watt
Luminous. . . . .	15	30	70	$\mu$ amp/lumen

\* On plane perpendicular to indicated direction of incident light.

● Averaged over any interval of 30 seconds maximum.

□ At 25°C and 250 volts.

OUTLINE DIMENSIONS for Type 934  
are the same as those for Type 927

SPECTRAL-SENSITIVITY CHARACTERISTIC  
of Phototube having S-4 Response  
is shown at the front of this Section

← Indicates a change.



## AVERAGE ANODE CHARACTERISTICS

