



934

VACUUM PHOTOTUBE

WITH S-4 RESPONSE

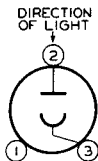
DATA

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 μmf
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.	μamp
PEAK CATHODE-CURRENT DENSITY.	100 max.	μamp/sq.in.
AVERAGE CATHODE CURRENT*	4 max.	μamp
AMBIENT TEMPERATURE	75 max.	°C

Characteristics:

	<u>Min.</u>	<u>Av.</u>	<u>Max.</u>	
DC Dark Current [□]	-	-	0.005	μamp
Sensitivity:				
At 4000 angstroms	-	0.028	-	μamp/μwatt
Luminous.	15	30	70	μamp/lumen

* On plane perpendicular to indicated direction of incident light.

● Averaged over any interval of 30 seconds maximum.

□ At 25°C and 250 volts.

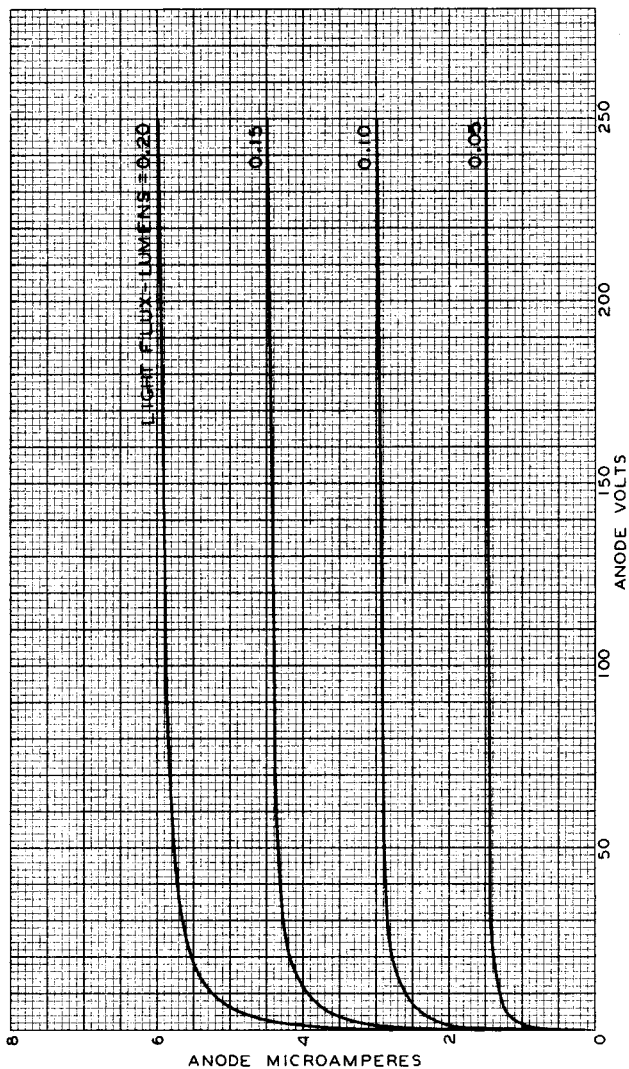
OUTLINE DIMENSIONS for Type 934 are the same as those for Type 927

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

← Indicates a change.



AVERAGE ANODE CHARACTERISTICS



Vacuum Phototube

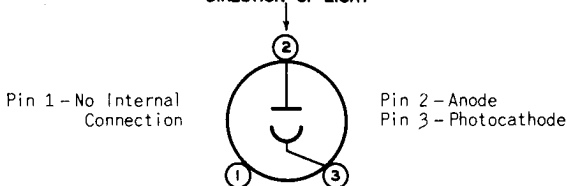
SIDE-ON TYPE HAVING S-4 RESPONSE

DATA

General:

Spectral Response	S-4	
Wavelength of Maximum Response.	4000 ± 500 angstroms	
Cathode:		
Shape	Semicylindrical	
Minimum projected length ^a	11/16"	
Minimum projected width ^a	7/16"	
Direct Interelectrode Capacitance (Approx.)	1.5 μf	
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"	
Operating Position.	Any	
Weight (Approx.)	0.4 oz	←
Bulb.	T5-1/4	
Socket.	Amphenol No. 78S3S-T, or equivalent	←
Base.	Small-Shell Peewee 3-Pin (JEDEC No. A3-1)	
Basing Designation for BOTTOM VIEW.	2F	

DIRECTION OF LIGHT



Maximum Ratings, Absolute-Maximum Values:

ANODE-SUPPLY VOLTAGE				←
(DC or Peak AC)	250 max.	volts		
AVERAGE CATHODE-CURRENT DENSITY ^b	30 max.	μa/sq. in.		
AVERAGE CATHODE CURRENT ^b	4 max.	μa		
AMBIENT TEMPERATURE	75 max.	°C		

Characteristics:

With an anode-supply voltage of 250 volts

Min. Median Max.

Sensitivity:				
Radiant, at 4000 angstroms.	-	0.029	-	amp/watt
Luminous ^c	19	30	75	μa/lumen
Anode Dark Current at 25° C	-	-	0.005	μa

← Indicates a change.



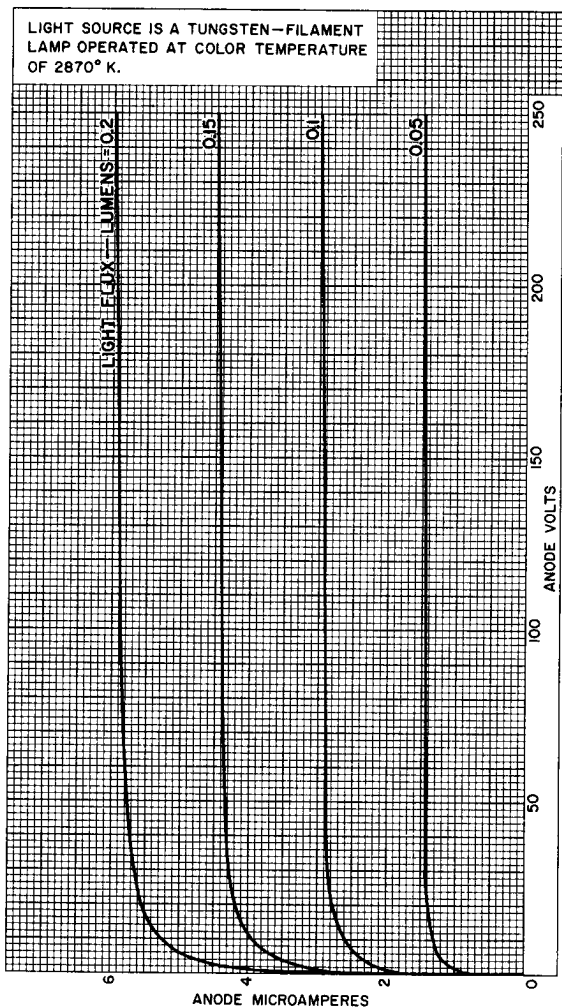
- a** On plane perpendicular to indicated direction of incident light.
- b** Averaged over any interval of 30 seconds maximum.
- c** For conditions where the light source is a tungsten-filament lamp operated at a color temperature of 2870° K. A 1-megohm load resistor and a light input of 0.1 lumen are used.

**SPECTRAL-SENSITIVITY CHARACTERISTIC
OF PHOTSENSITIVE DEVICE HAVING S-4 RESPONSE
is shown at the front of this section**

**DIMENSIONAL OUTLINE
shown under Type 927 also applies to the 934**



AVERAGE ANODE CHARACTERISTICS



92CM-6479RI

