

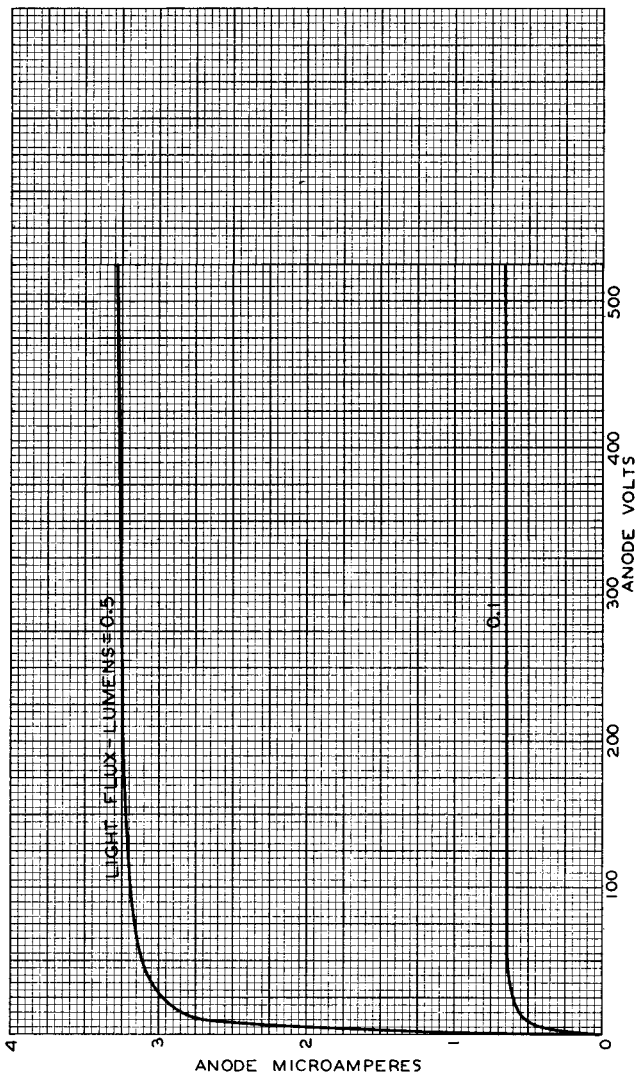


926



926

## AVERAGE ANODE CHARACTERISTICS



AUG. 4, 1947

TUBE DEPARTMENT  
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM - 6209RI



926

926

# VACUUM PHOTOTUBE

CARTRIDGE TYPE WITH S-3 RESPONSE

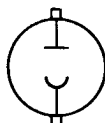
For colorimetric applications

## DATA

### General:

Spectral Response . . . . .	S-3
Wavelength of Maximum Response . . . . .	4200 ± 1000 angstroms
Cathode:	
Shape . . . . .	Semicylindrical
Minimum projected length* . . . . .	7/8"
Minimum projected width* . . . . .	1/2"
Direct Interelectrode Capacitance . . . . .	1 μmf
Overall Length . . . . .	1-21/32" ± 1/16"
Seated Length . . . . .	1-13/32" ± 1/32"
Length from Center of Useful Cathode Area to Plane A-A' (See Dimensional Outline) . . . . .	11/16" ± 1/16"
Maximum Diameter . . . . .	0.890"
Weight (Approx.) . . . . .	0.4 oz ←
Mounting Position . . . . .	. Any ←
Terminals:	
Recessed cap . . . . .	JETEC No. J1-23 ←
Protruding cap . . . . .	JETEC No. J1-24 ←
Basing Designation . . . . .	. 2A0 ←

Recessed } Anode  
Cap }



Protruding } Cathode  
Cap }

DIRECTION OF LIGHTS  
INTO CONCAVE SIDE  
OF CATHODE

### Maximum Ratings, Absolute Values:

ANODE-SUPPLY VOLTAGE (DC or Peak AC) . . . . .	500 max.	volts ←
AVERAGE CATHODE-CURRENT DENSITY <sup>⊙</sup> . . . . .	30 max.	μamp/sq. in. ←
AVERAGE CATHODE CURRENT <sup>⊙</sup> . . . . .	5 max.	μamp ←
AMBIENT TEMPERATURE . . . . .	100 max.	°C ←

### Characteristics, At 250 Volts on Anode:

	Min.	Median	Max.	
Sensitivity:				
Radiant, at				
4200 angstroms . . . . .	-	0.0018	-	μamp/μwatt ←
Luminous <sup>▲</sup> . . . . .	4	6.5	15	μamp/lumen ←
Anode Dark Current				
at 25°C . . . . .	-	-	0.005	μamp ←

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

⊙ Averaged over any interval of 30 seconds maximum.

▲ For conditions where the light source is a tungsten-filament lamp operated at a color temperature of 2870°K. A dc anode supply of 250 volts, a 1-megohm load resistor, and a light input of 0.1 lumen are used.

← Indicates a change.



## VACUUM PHOTOTUBE

DIMENSIONAL OUTLINE  
for Type 926 is the same as that shown for Type 921

SPECTRAL-SENSITIVITY CHARACTERISTIC  
of Phototube having S-3 Response  
is shown at the front of this Section

### AVERAGE ANODE CHARACTERISTICS

