

CHARACTERISTICS

GENERAL DATA

Focusing Method	Magnetic
Deflecting Method	Magnetic
Deflection Angle (Approx.)	50 Degrees
Phosphor	Aluminized, P7
Fluorescence	Blue-White
Phosphorescence	Yellow
Persistence	Long
Faceplate	Gray Glass
Light Transmittance (Approx.)	76 Percent

* In addition to the type shown, the 10AKP- can be supplied with several other screen phosphors.

QUICK REFERENCE DATA

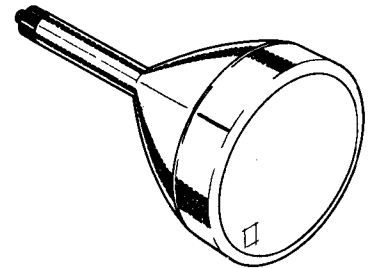
- Radar Indicator Tube
- High Resolution
- 10" Round Glass Type
- Spherical Faceplate
- Gray Glass
- Aluminized Screen
- Magnetic Deflection
- Magnetic Focus

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current	0.6 ± 10% Ampere
Direct Interelectrode Capacitances (Approx.)	
Cathode to All Other Electrodes	5 μmf
Grid No. 1 to All Other Electrodes	8 μmf

MECHANICAL DATA

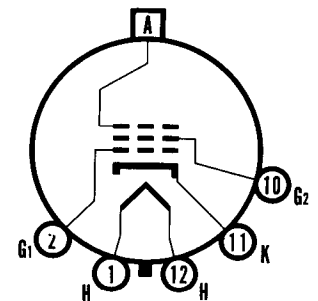
Minimum Useful Screen Diameter	9 Inches
Bulb Contact (Recessed Small Cavity Cap)	J1-21
Base	B5-57
Basing	12D
Bulb	J84C



RATINGS

MAXIMUM RATINGS (Absolute Maximum Values)

Anode Voltage	11,000 Volts	dc
Grid No. 2 Voltage	1100 Volts	dc
Grid No. 1 Voltage		
Negative Bias Value	200 Volts	dc
Positive Bias Value	0 Volts	dc
Positive Peak Value	2 Volts	
Peak Grid No. 1 Drive from Cutoff	65 Volts	
Peak Heater-Cathode Voltage		
Heater Negative with Respect to Cathode	200 Volts	
Heater Positive with Respect to Cathode	200 Volts	



TYPICAL OPERATING CONDITIONS

Anode Voltage	8000 Volts	dc
Grid No. 2 Voltage	700 Volts	dc
Grid No. 1 Voltage Required for Cutoff ¹	-35 to -80 Volts	dc
Focusing Coil Current (Approx.) ²	105 Ma	dc
Linewidth A ³30 mm	Max.
Spot Position (Undelected) ⁴	18 mm	Max.

CIRCUIT VALUES

Grid No. 1 Circuit Resistance	1.5 Megohms Max.
---	------------------

**SYLVANIA
ELECTRONIC TUBES**

A Division of
Sylvania Electric Products Inc.

**PICTURE TUBE OPERATIONS
SENECA FALLS, NEW YORK**

*Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA*

MAY, 1961

PAGE 1 OF 2

File Under
**SPECIAL AND GENERAL PURPOSE
CATHODE RAY TUBES**

