

CHARACTERISTICS

GENERAL DATA

Focusing Method	Electrostatic
Deflecting Method	Electrostatic
Phosphor*	P7
Fluorescence	Blue-White
Phosphorescence	Yellow
Persistence	Long
Faceplate	Gray Filter Glass
Transmittance (Approx.)	76 Percent

*In addition to the P7 screen shown, the 16AMP7 can be supplied with several other screen phosphors.

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current	0.6 ± 10 % Amperes
Direct Interelectrode Capacitances (Approx.)	
Cathode to All Other Electrodes	7 μf
Grid No. 1 to All Other Electrodes	8 μf
Between Deflecting Plates 1-2	4 μf
Between Deflecting Plates 3-4	3 μf
Deflecting Plate 1 to All Other Electrodes	12.5 μf
Deflecting Plate 2 to All Other Electrodes	12.5 μf
Deflecting Plate 3 to All Other Electrodes	8.5 μf
Deflecting Plate 4 to All Other Electrodes	8.5 μf

MECHANICAL DATA

Minimum Useful Screen Diameter	15 Inches
Bulb Contact (Recessed Small Cavity Cap)	J1-21
Neck Contacts (Small Ball)	J1-25
Bulb	C129 Exp. 14 or Equiv.
Base (Medium Shell Diheptal 12-Pin)	B12-37
Basing	14Q
Weight (Approx.)	20 Pounds
J1-21 Contact Aligns with Trace D3-D4	±10 Degrees
J1-21 Contact Aligns with Pin No. 11	
J1-25 Contact (A2) Aligns with D1-D2 Trace	±2 ½ Degrees
D3-D4 Trace Aligns with Pin No. 11	±10 Degrees
Positive Voltage on D1 Deflects Beam Approx.	
Toward Pin No. 8	
Positive Voltage on D3 Deflects Beam Approx.	
Toward Pin No. 4	
Angle Between D1-D2 and D3-D4 Traces	90 ± 1 Degrees

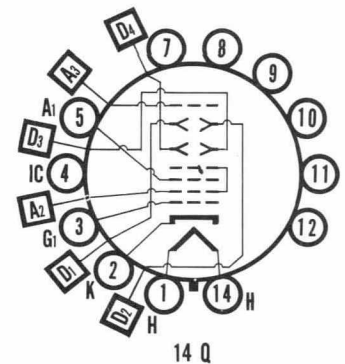
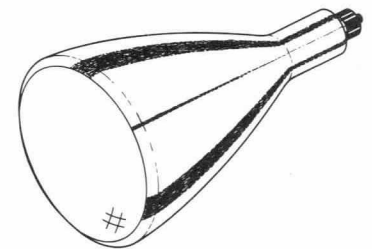
RATINGS

MAXIMUM RATINGS (Absolute Maximum Ratings)

Anode Input ¹	6 Watts
Anode No. 3 (Post Accelerator) Voltage	17,600 Volts
Anode No. 2 Voltage	8800 Volts
Anode No. 1 (Focusing Electrode) Voltage	3300 Volts
Grid No. 1 Voltage	
Negative Bias Value	330 Volts
Positive Bias Value	0 Volts
Positive Peak Value	2 Volts
Peak Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	200 Volts
Heater Positive with Respect to Cathode	200 Volts
Peak Voltage Between Anode No. 2 and Any Deflecting Plate	1650 Volts
Ratio Post Accelerator Voltage to Anode Voltage	2:1

QUICK REFERENCE DATA

Oscilloscope Tube
16" Direct Viewed
Round Glass Type
Electrostatic Deflection
Electrostatic Focus
Post Deflection Acceleration
Aluminized Screen



SYLVANIA ELECTRIC PRODUCTS INC.

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ELECTRONIC TUBE DIVISION
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PAGE 1 OF 2

File Under

SPECIAL AND GENERAL
PURPOSE CATHODE RAY TUBES

