CHARACTERISTICS

GENERAL DATA

Focusing Method	Electrostatic
Deflecting Method	Magnetic
Deflection Angles (Approx.)	Diagonal 70 Degrees
Phosphor	Aluminized P4
Fluorescence	White
Persistence	Short to Medium
Faceplate, Cover Plate	See Table I

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current	0.3 ± 10 % Ampere
Emission Warm-Up Time (Approx.)	30 Sec.
Direct Interelectrode Capacitance (Max.)	
Cathode to All Other Electrodes	10 pf
Grid No. 1 to All Other Electrodes	10 pf
External Conductive Coating to Anode	200-350 pf

MECHANICAL DATA

Minimum Useful Screen Dimensions	4⅜ x 5¾ Inches
Bulb Contact (Recessed Small Ball Cap)	J1-22
Base	E9-37
Basing	9HT
Bulb Contact has Radial Alignment about Tube Axis with Centerline Between Base Pins No. 1 and 9	±30 Degrees

RATINGS

MAXIMUM RATINGS (Absolute Maximum Values)

Anode Voltage	13,000 Volts dc
Grid No. 4 Voltage (Focusing Electrode)	−550 to +1100 Volts dc
Grid No. 2 Voltage	550 Volts dc
Grid No. 1 Voltage	
Negative Bias Value	155 Volts dc
Positive Bias Value	0 Volt dc
Positive Peak Value	2 Volts dc
Peak Heater-Cathode Voltage	±100 Volts

TYPICAL OPERATING CONDITIONS

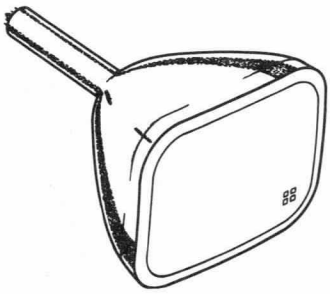
Anode Voltage	10,000 Volts	Max.
Grid No. 4 for Focus	−125 to +300 Volts dc	
Grid No. 2 Voltage	300 Volts dc	
Grid No. 1 Voltage		
Required for Spot Cutoff	−40 to −60 Volts dc	
Brightness at 100 μa Anode Current	60 Ft. L.	Min.

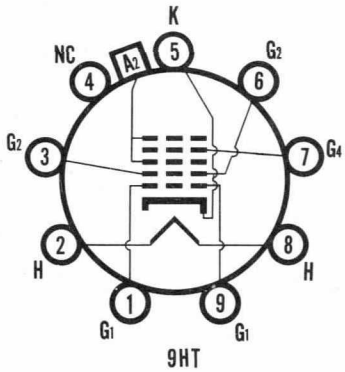
CIRCUIT VALUE

Grid No. 1 Circuit Resistance	1.5 Megohm Max.

QUICK REFERENCE DATA

Monitor Tube
Electrostatic Focus
Magnetic Deflection
4⅜ x 5¾ Rectangular Screen
Bonded Shield
Anti-Reflection Treated
ST-3183A, ST-3183B,
ST-3183C, ST-3183E





SYLVANIA ELECTRIC PRODUCTS INC.

Electronic Components Group
ELECTRONIC TUBE DIVISION
SENECA FALLS, NEW YORK

A Technical Publication

APRIL, 1964

File Under
SPECIAL AND GENERAL PURPOSE CATHODE RAY TUBES

TABLE I

Approximate Face and Cover Transmittance by Type
All Covers Anti-reflection Coated

TYPE	FACE TRANS.	COVER TRANS.	COMBINED TRANS.
ST-3183	92 %	No Cover	92 %
ST-3183A	72 %	60 %	46 %
ST-3183B	92 %	32 %	30 %
ST-3183C	92 %	92 %	88 %
ST-3183D	72 %	No Cover	72 %
ST-3183E	92 %	14 %	15 %

OUTLINE

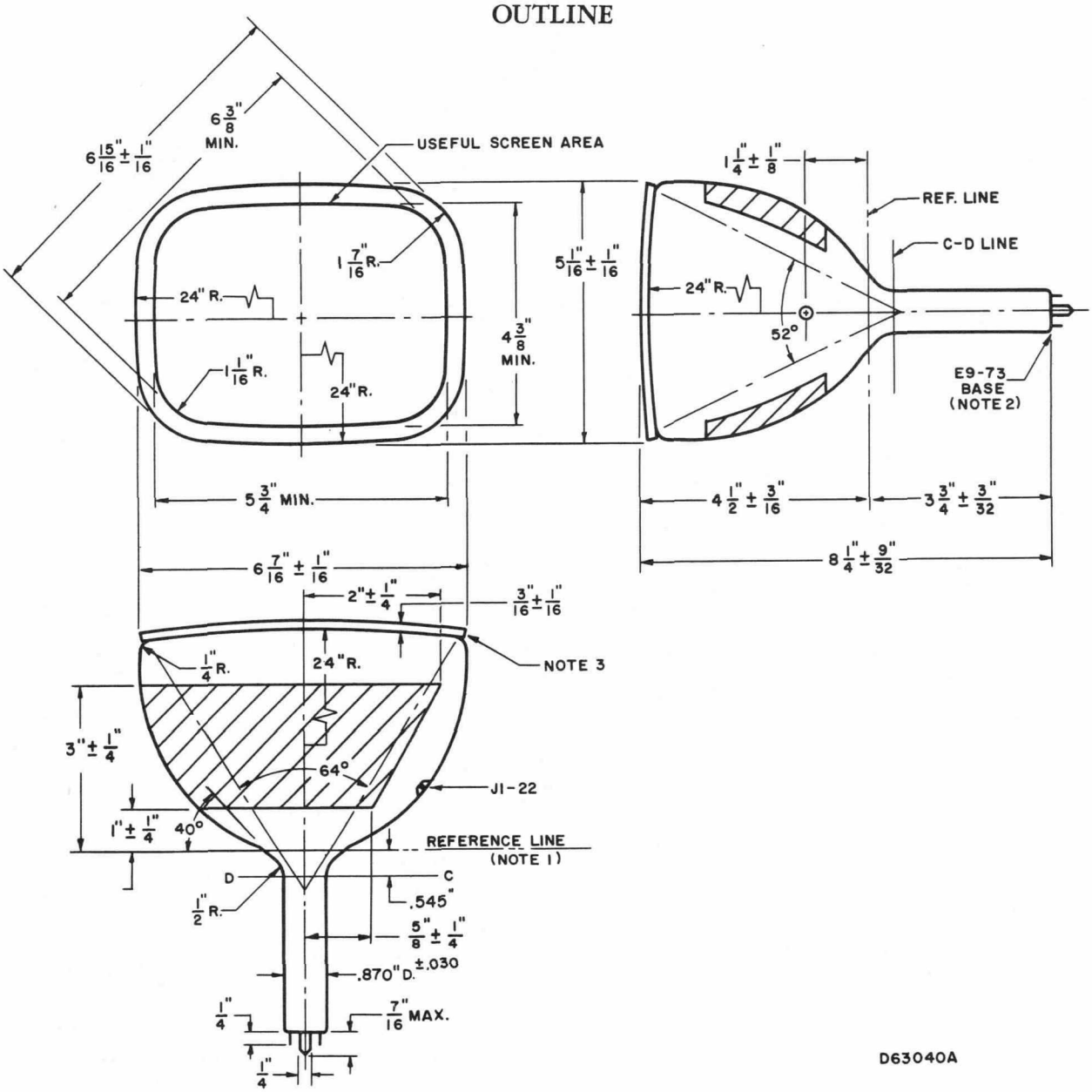


DIAGRAM NOTES:

1. *Reference line is determined by plane C-C′ of JEDEC No G141 Reference Line Gauge, when the gauge is seated against the bulb.*
2. *Center plane between Pins 1 and 9 aligns with major axis of tube within 30° and is on same side as anode contact, J1-22.*
3. *Safety plate not to extend beyond mold match more than 1/8 inch.*