

engineering data service

sylvania 12LP4

12LP4A

CHARACTERISTICS

CHARACTERISTICS	
GENERAL DATA	
Focusing Method	
Deflecting Angle (approx.)	Degrees
Phosphor	
Fluorescence	
Persistence Medium	
Faceplate	
ELECTRICAL DATA	
Heater Voltage	Volts
Heater Current (approx.)	_
Cathode to All Other Electrodes	μμf
Grid No. 1 to All Other Electrodes 6	$\mu\mu f$
External Conductive Coating to Anode ¹ 3000	μμt Max.
Ion Trap Magnet External, Double Field Type	μμf Min.
MECHANICAL DATA	
	T -1
Minimum Useful Screen Dimensions (Diameter)	Inches
Base (Small Shell Duodecal 5-Pin)	
Basing	
Bulb Contact Aligns with Vacant Pin	
Bulb Contact Aligns with Vacant Pin Position No. 3	Degrees
RATINGS	
RATINGS MAXIMUM RATINGS (Design Center Values)	·
RATINGS MAXIMUM RATINGS (Design Center Values)	·
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	·
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Volts dc Volts dc Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Volts dc Volts dc Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Volts dc Volts dc Volts dc Volts
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Volts dc Volts dc Volts dc Volts
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Volts dc Volts dc Volts dc Volts Volts Volts dc Volts dc Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Volts dc Volts dc Volts dc Volts Volts dc Volts dc Volts dc Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Volts dc Volts dc Volts dc Volts Volts dc Volts dc Volts dc Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Volts dc Volts dc Volts dc Volts dc Volts Volts dc Volts dc Volts dc Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Volts dc Volts dc Volts dc Volts dc Volts Volts dc Volts dc Volts dc Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc
RATINGS MAXIMUM RATINGS (Design Center Values) Anode Voltage	Volts dc Colts dc Volts dc Gausses

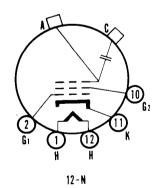
NOTES:

- 1. External conductive coating must be grounded.
- 2. Visual extinction of undeflected focused spot.
- 3. For RTMA focusing coil 106 or equivalent three and one quarter inches from reference line, bias adjusted to 20 foot lamberts on a $7\frac{1}{2} \times 10$ inch picture area sharply focused at center of screen.

QUICK REFERENCE DATA

Television Picture Tube
12" Direct Viewed
Round Glass Type
Magnetic Deflection
Magnetic Focus
Double Field Ion Trap
External Conductive Coating
(12LP4A has gray filter glass
faceplate)





SYLVANIA ELECTRIC PRODUCTS INC.

Prepared and Released By The
TECHNICAL PUBLICATIONS SECTION
EMPORIUM, PENNSYLVANIA
JULY 1953

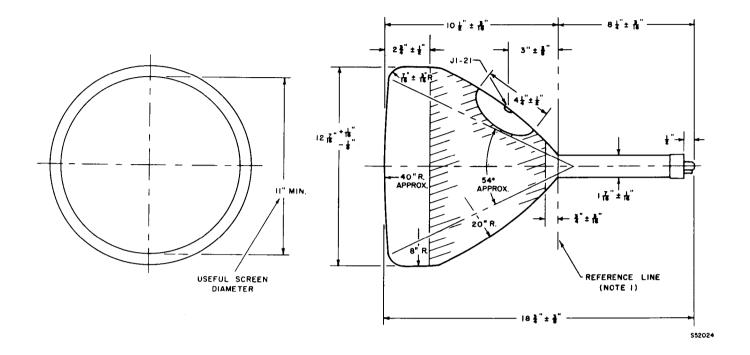


DIAGRAM NOTES:

1. Reference line is determined by the plane of the upper edge of the reference line gauge (RTMA No. 112) when the gauge is resting on the glass cone.

12LP4A

The Sylvania Type 12LP4A is identical to Type 12LP4 except for having the gray filter glass faceplate.

WARNING:

X-ray radiation shielding may be necessary to protect against possible danger of personal injury from prolonged exposure at close range if this tube is operated at higher than the manufacturer's Maximum Rated Anode Voltage or 16,000 volts, whichever is less.