

CHARACTERISTICS

GENERAL DATA

Focusing Method	Magnetic
Deflecting Method	Magnetic
Deflecting Angle (approx.)	54 Degrees
Phosphor	Aluminized, P4
Fluorescence	White
Persistence	Medium
Faceplate	Gray Filter Glass
Transmittance (approx.)	74 Percent

ELECTRICAL DATA

Heater Voltage	6.3 Volts
Heater Current ($\pm 10\%$)	0.6 Ampere
Direct Interelectrode Capacitances (approx.)	
Cathode to All Other Electrodes	5 μf
Grid No. 1 to All Other Electrodes	6 μf
External Conductive Coating to Anode ¹	3000 μf Max. 750 μf Min.
Ion Trap Magnet	External, Double Field Type

MECHANICAL DATA

Minimum Useful Screen Dimensions (Diameter)	11 Inches
Bulb Contact Recessed Small Cavity Cap).	J1-21
Base (Small Shell Duodecal 5-Pin)	B5-57
Basing	12N
Bulb Contact Aligns with Vacant Pin	
Position No. 3	± 10 Degrees

RATINGS

MAXIMUM RATINGS (Design Center Values)

Anode Voltage	12,000 Volts dc
Grid No. 2 Voltage	410 Volts dc
Grid No. 1 Voltage	
Negative Bias Value	125 Volts dc
Positive Bias Value	0 Volts dc
Positive Peak Value	2 Volts
Peak Heater-Cathode Voltage	
Heater Negative with Respect to Cathode	
During Warm-up Period Not to	
Exceed 15 Seconds	410 Volts
After Equipment Warm-up Period	140 Volts
Heater Positive with Respect to Cathode.	140 Volts

RECOMMENDED OPERATING CONDITIONS

Anode Voltage	11,000 Volts dc
Grid No. 2 Voltage	250 Volts dc
Grid No. 1 Voltage Required for	
Cutoff ²	-27 to -63 Volts dc
Focusing Coil Current (approx.) ³	110 Ma dc
Ion Trap Magnet Strength (approx.)	35 Gauss

CIRCUIT VALUES

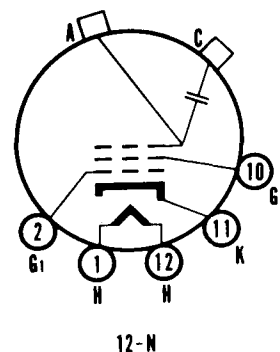
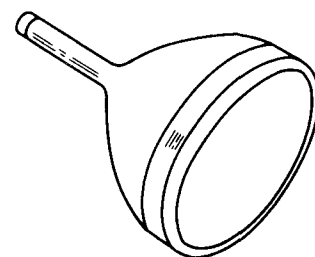
Grid No. 1 Circuit Resistance	1.5 Megohms Max.
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NOTES:

1. External conductive coating must be grounded.
2. Visual extinction of undeflected focused spot.
3. For JETEC focusing coil 106 or equivalent three and one quarter inches from reference line, bias adjusted to 20 foot lamberts on a 7½ x 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
Gray filter glass faceplate
Aluminized Screen



SYLVANIA ELECTRIC
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TELEVISION PICTURE TUBE
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