

TUNG-SOL

CATHODE RAY

COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.6 AMP.

AC OR DC

ANY MOUNTING POSITION

METAL-CONE ENVELOPE

SMALL SHELL DUODECAL 5 PIN BASE

THE 24AP4A IS A METAL-CONE MAGNETIC DEFLECTION AND MAGNETIC FOCUS DIRECT VIEW PICTURE TUBE INTENDED FOR USE IN TELEVISION RECEIVERS. IT PROVIDES FOR A PICTURE 16 3/4" X 22 3/8". A REFLECTIVE METAL-BACKED SCREEN PREVENTS ION-SPOT BLEMISH AND GIVES IMPROVED PICTURE CONTRAST.

DESCRIPTION

FLUORESCENCE AND PHOSPHORESCENCE	WHITE
PERSISTENCE	MEDIUM
DEFLECTING AND FOCUSING METHOD	MAGNETIC
DEFLECTION ANGLE (APPROX.)	70 DEGREES
COATING	INSULATING
ION-TRAP	MAGNETIC
ANODE TERMINAL	METAL-CONE LIP
RASTER SIZE	16 3/4" X 22 3/8"

DIRECT INTERELECTRODE CAPACITANCES - APPROX.

GRID #1 TO ALL OTHER ELECTRODES	6	μmf
CATHODE TO ALL OTHER ELECTRODES	5	μmf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.6	AMP.
MAXIMUM ANODE VOLTAGE ^A	16 000	VOLTS
MAXIMUM GRID #2 VOLTAGE	410	VOLTS
MAXIMUM GRID #1 VOLTAGE:		
NEGATIVE BIAS VOLTAGE	125	VOLTS
POSITIVE BIAS VOLTAGE	0	VOLTS
POSITIVE PEAK VOLTAGE	2	VOLTS
PEAK HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE:		
DURING EQUIPMENT WARM-UP PERIOD	410	VOLTS
NOT EXCEEDING 15 SECONDS	150	VOLTS
AFTER EQUIPMENT WARM-UP PERIOD	150	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	150	VOLTS
MAXIMUM GRID #1 CIRCUIT RESISTANCE	1.5	MEGOHMS

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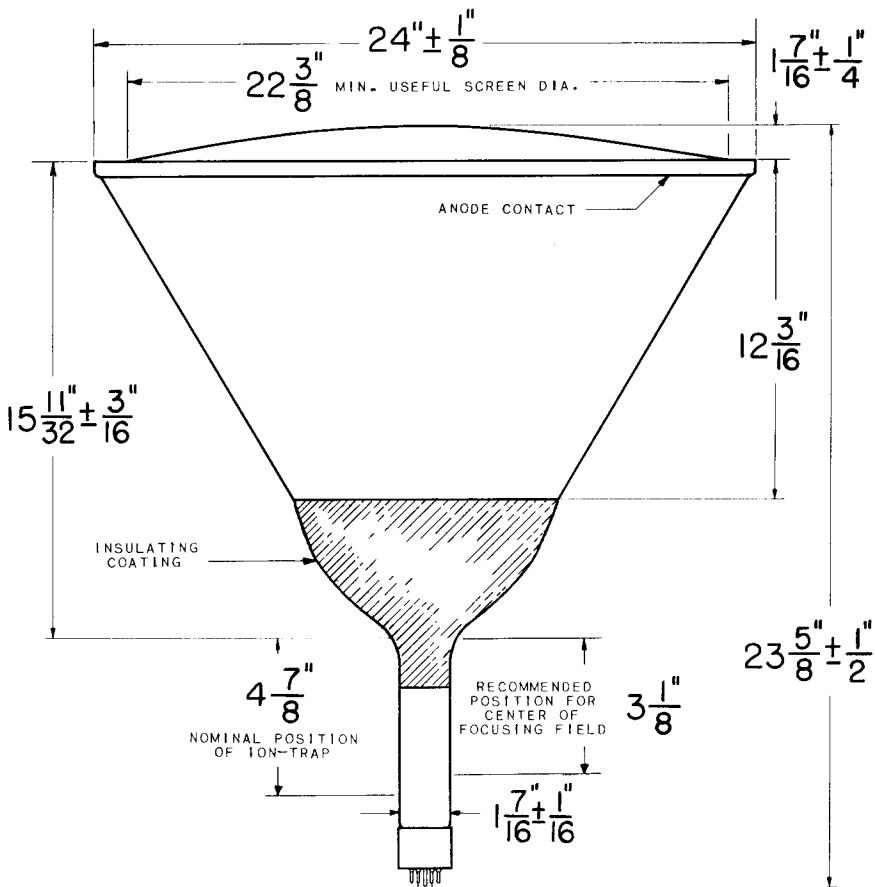
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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

ANODE VOLTAGE	12 000	VOLTS
GRID #2 VOLTAGE	300	VOLTS
GRID #1 VOLTAGE (VISUAL EXTINCTION OF UNDEFLECTED FOCUSED SPOT)	-33 TO -77	$\frac{VOLTS}{MA.}$
FOCUSING COIL CURRENT (APPROX.)	97	$\frac{VOLTS}{MA.}$
ION-TRAP MAGNET FIELD INTENSITY ^B	32	GAUSSSES

^B SINGLE FIELD ION-TRAP MAGNET.

SIMILAR TYPE REFERENCE: The 24AP4A is identical to the 24AP4 except for the metal-backed screen.



- 1. HEATER
 - 2. GRID NO. 1
 - 10. GRID NO. 2
 - 11. CATHODE
 - 12. HEATER
- METAL-CONE LIP: ANODE, GRID NO. 3

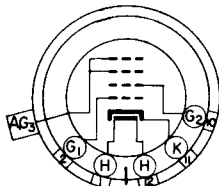


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