

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 7 PIN BASE

THE 8AP4 IS A DIRECTLY VIEWED PICTURE TUBE INTENDED FOR USE IN TELEVISION RECEIVERS. IT HAS A HIGH-EFFICIENCY, WHITE FLUORESCENT SCREEN ON A RELATIVELY FLAT FACE AND METAL-CONE ENVELOPE. THE TUBE UTILIZES MAGNETIC FOCUS AND MAGNETIC DEFLECTION TO PROVIDE 5 1/4" X 7" PICTURES WITH HIGH BRILLIANCE AND DEFINITION. ION SPOT BLEMISHES ARE ELIMINATED BY THE USE OF AN EXTERNAL ION-TRAP MAGNET.

DESCRIPTION

FLUORESCENCE AND PHOSPHORESCENCE	WHITE
PERSISTENCE	MEDIUM
DEFLECTING AND FOCUSING METHOD	MAGNETIC
MAXIMUM DEFLECTING ANGLE	54 DEGREES
ION TRAP	MAGNETIC
ANODE TERMINAL	METAL-CONE LIP
RASTER SIZE (APPROX.)	5 1/4" X 7"

DIRECT INTERELECTRODE CAPACITANCES

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

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.6	AMP.
MAXIMUM ANODE VOLTAGE	9 000	VOLTS
MAXIMUM GRID #1 VOLTAGE:		
NEGATIVE BIAS VOLTAGE	125	VOLTS
POSITIVE BIAS VOLTAGE	0	VOLTS
POSITIVE PEAK VALUE	2	VOLTS
PEAK HEATER-CATHODE VOLTAGE: ^A		
HEATER NEGATIVE WITH RESPECT TO CATHODE:		
DURING EQUIPMENT WARM UP PERIOD NOT		
EXCEEDING 15 SECONDS	410	VOLTS
AFTER EQUIPMENT WARM UP PERIOD	140	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	140	VOLTS
MAXIMUM GRID #1 CIRCUIT RESISTANCE	1.5	MEG OHMS

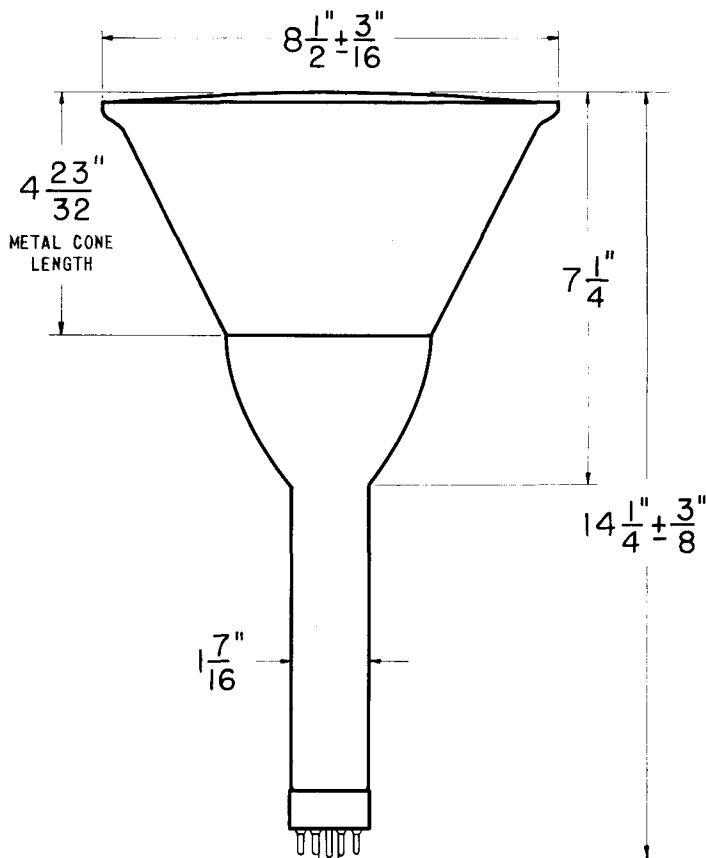
^A CATHODE SHOULD BE RETURNED TO ONE SIDE OR TO MID TAP OF THE HEATER TRANSFORMER WINDING.

TUNG-SOL

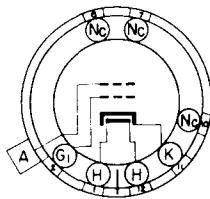
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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

ANODE VOLTAGE	7 000	VOLTS
GRID #1 VOLTAGE (VISUAL EXTINCTION OF UNDEFLECTED FOCUSED SPOT)	-27 TO -63	VOLTS
FOCUSING COIL CURRENT	115	MA.



1. HEATER
 2. GRID #1
 6. NO CONNECTION
 7. NO CONNECTION
 10. NO CONNECTION
 11. CATHODE
 12. HEATER
- METAL CONE LIP: ANODE



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PLATE
2248
SEPT. 1
1949