

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

THE 16EP4A IS A MAGNETIC DEFLECTION AND MAGNETIC FOCUS, DIRECT VIEW PICTURE TUBE USING THE METAL-CONE CONSTRUCTION. IT HAS A GREY NEUTRAL-DENSITY FACEPLATE FOR INCREASED PICTURE CONTRAST AND DETAIL UNDER HIGH AMBIENT LIGHT CONDITIONS. THE ELECTRON GUN IS DESIGNED TO BE USED WITH AN EXTERNAL ION-TRAP MAGNET TO ELIMINATE ION-SPOT BLEMISH.

DESCRIPTION

FLUORESCENCE AND PHOSPHORESCENCE	WHITE
PERSISTENCE	MEDIUM
DEFLECTION AND FOCUSING METHOD	MAGNETIC
DEFLECTION ANGLE (APPROX.)	60 DEGREES
ION TRAP	MAGNETIC
ANODE TERMINAL	METAL-CONE LIP
RASTER SIZE (APPROX.)	10" X 13 1/4"

DIRECT INTERELECTRODE CAPACITANCES - APPROX.

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 (ANODE AND GRID #3)	14 000	VOLTS
MAXIMUM GRID #2 VOLTAGE	410	VOLTS
MAXIMUM GRID #1 VOLTAGE:		
NEGATIVE BIAS VALUE	125	VOLTS
POSITIVE BIAS VALUE	0	VOLTS
POSITIVE PEAK VALUE	2	VOLTS
PEAK HEATER-CATHODE VOLTAGE:		
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

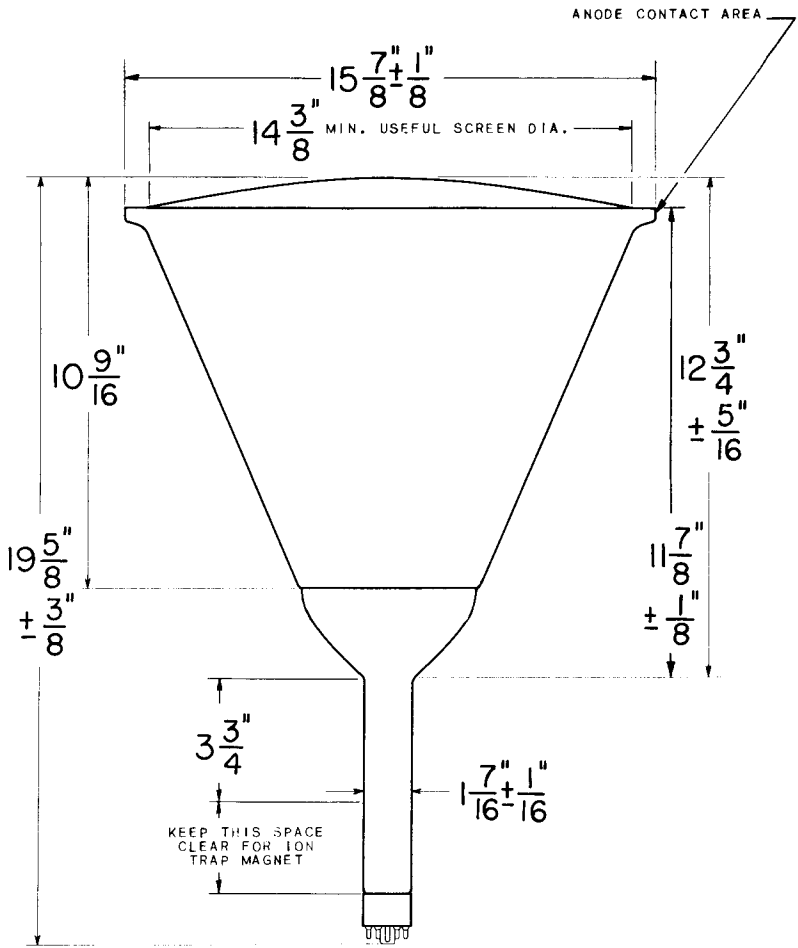
TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

ANODE VOLTAGE	12 000	VOLTS
GRID #2 VOLTAGE	300	VOLTS
GRID #1 VOLTAGE (FOR VISUAL EXTINCTION OF UNDEFLECTED FOCUSED SPOT)	-33 TO -77	VOLTS
FOCUSING COIL CURRENT (APPROX.)	105	MA.

SIMILAR TYPE REFERENCE: The 16EP4A is identical to the 16EP4 except for the grey filter faceplate.

→ INDICATES A CHANGE OR ADDITION.

TUNG-SOL



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

