

**TUNG-SOL****CATHODE RAY**

COATED UNIPOTENTIAL CATHODE

HEATER

6.3 VOLTS 0.6 AMP.

AC OR DC

RECTANGULAR GLASS BULB

SMALL SHELL DUODECAL 5 PIN BASE

THE 14CP4 IS AN ALL GLASS MAGNETIC FOCUS AND DEFLECTION DIRECT VIEW PICTURE TUBE FOR TELEVISION APPLICATIONS. ITS RECTANGULAR FACE PROVIDES FOR A PICTURE 8 5/8" X 11 1/2". FEATURES OF THIS TUBE ARE A SPACE-SAVING RECTANGULAR BULB, A GREY NEUTRAL-DENSITY FACEPLATE FOR INCREASED PICTURE CONTRAST AND DETAIL UNDER HIGH AMBIENT LIGHT CONDITIONS, AND AN ELECTRON GUN DESIGNED TO BE USED WITH AN EXTERNAL ION-TRAP MAGNET FOR THE PREVENTION OF ION-SPOT BLEMISH.

**DESCRIPTION**

FLUORESCENCE AND PHOSPHORESCENCE	WHITE
PERSISTENCE	MEDIUM
DEFLECTING AND FOCUSING METHOD	MAGNETIC
DEFLECTION ANGLE (APPROX.):	
HORIZONTAL	65 DEGREES
VERTICAL	70 DEGREES
ION-TRAP	MAGNETIC
BULB CONTACT	RECESSED SMALL CAVITY CAP
COATING	CONDUCTIVE

**DIRECT INTERELECTRODE CAPACITANCES - APPROX.**

GRID #1 TO ALL OTHER ELECTRODES	6	μf
CATHODE TO ALL OTHER ELECTRODES	5	μf
EXTERNAL CONDUCTIVE COATING TO ANODE (APPROX.)	1500	μf

**RATINGS**

INTERPRETED ACCORDING TO RMA STANDARD MB-210

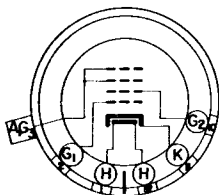
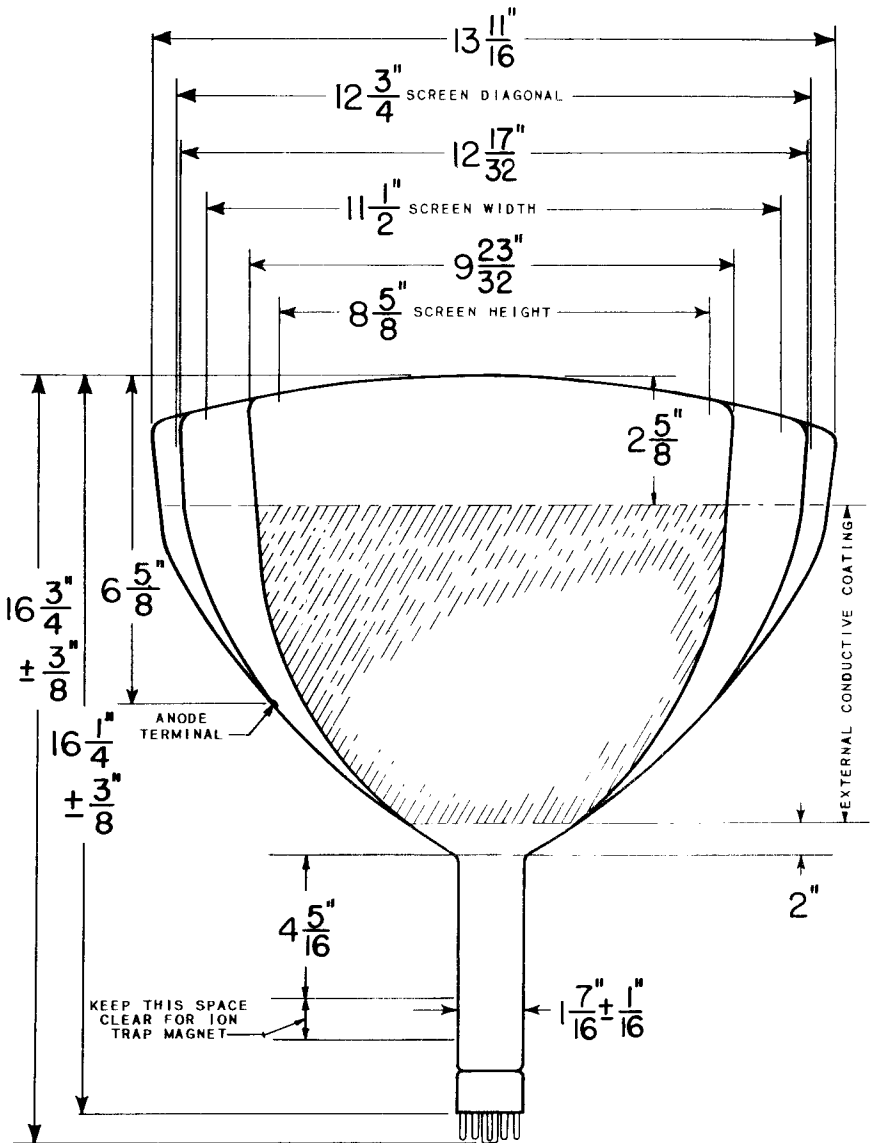
HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.6	AMP.
MAXIMUM ANODE VOLTAGE	14 000	VOLTS
MAXIMUM GRID #2 VOLTAGE	410	VOLTS
MAXIMUM GRID #1 VOLTAGE:		
NEGATIVE BIAS VOLTAGE	125	VOLTS
POSITIVE BIAS VOLTAGE	0	VOLTS
POSITIVE PEAK VOLTAGE	2	VOLTS
PEAK HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE:		
DURING EQUIPMENT WARM-UP PERIOD		
NOT EXCEEDING 15 SECONDS	410	VOLTS
AFTER EQUIPMENT WARM-UP PERIOD	150	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	150	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 (VISUAL EXTINCTION OF UNDEFLECTED FOCUSED SPOT)	-33 TO -77	VOLTS
FOCUSING COIL CURRENT (APPROX.)	115	MA.
ION-TRAP FIELD INTENSITY (APPROX.) <sup>A</sup>	23	GAUSS

<sup>A</sup>SINGLE FIELD ION-TRAP MAGNET

TUNG-SOL



1. HEATER
  2. GRID #1
  10. GRID #2
  11. CATHODE
  12. HEATER
- CAP ANODE, GRID #3