TUNG-SOL

CATHODE RAY

COATED UNIPOTENTIAL CATHODE

HEATER
6.3 VOLTS 0.6 AMP.
AC OR DC

ANY MOUNTING POSITION

GLASS BULB

SMALL SHELL DUODECAL 7 PIN BASE

THE 12QP4 IS A GLASS ENVELOPE, MAGNETIC DEFLECTION AND MAGNETIC FOCUS DIRECT-VIEW PICTURE TUBE INTENDED FOR USE IN TELEVISION RECEIVERS. IT PROVIDES FOR A PICTURE 7 1/2" X 10". THE ELECTRON GUN IS DESIGNED TO BE USED WITH AN EXTERNAL SINGLE MAGNET ION-TRAP FOR THE PREVENTION OF ION-SPOT BLEMISH.

DESCRIPTION

FLUORESCENCE AND PHOSPHORESCENCE	WHITE
PERSISTENCE	MEDIUM
DEFLECTING AND FOCUSING METHOD	MAGNETIC
DEFLECTION ANGLE (APPROX.)	55 DEGREES
ION-TRAP	MAGNETIC
BULB CONTACT	RECESSED SMALL CAVITY CAP
RASTER SIZE	7 1/2" X 10"

DIRECT INTERELECTRODE CAPACITANCES — APPROX.

GRID #1 TO ALL OTHER ELECTRODES	7	μμf
CATHODE TO ALL OTHER ELECTRODES	5	μμf

RATINGS

INTERPRETED ACCORDING TO RMA STANDARD M8-210

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.6	AMP.
MAXIMUM ANODE VOLTAGE	12 000	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	140	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	140	VOLTS
MAXIMUM GRID #1 CIRCUIT RESISTANCE	1.5	MEGOHMS

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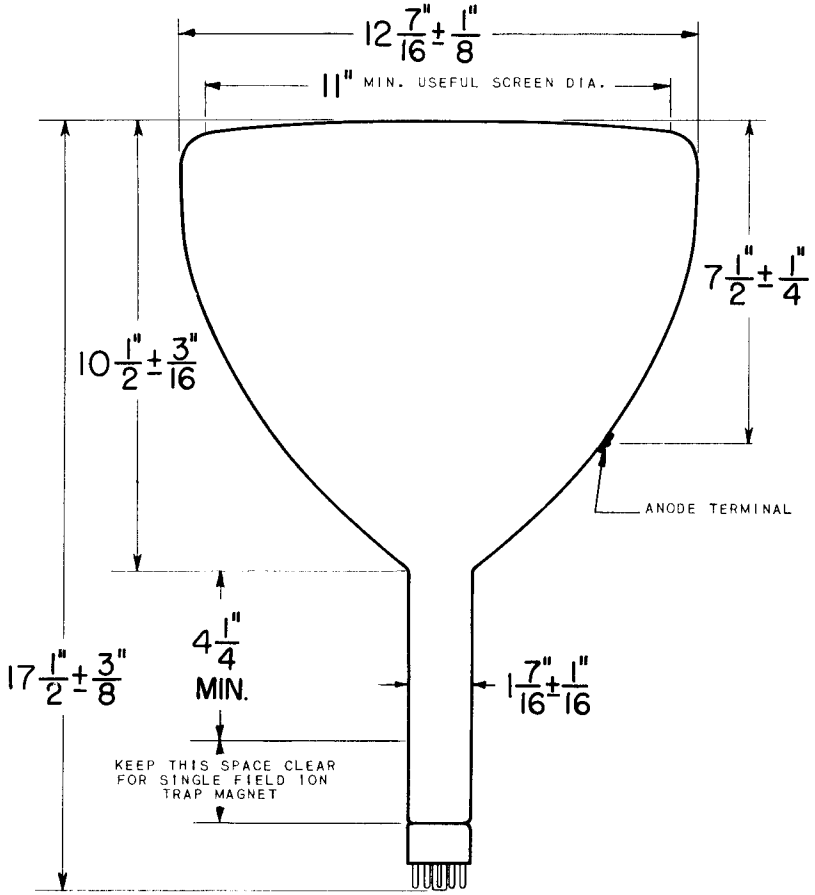
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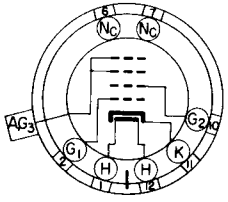
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TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

ANODE VOLTAGE	10 000	VOLTS
GRID #2 VOLTAGE	250	VOLTS
GRID #1 VOLTAGE (VISUAL EXTINCTION OF UNDEFLECTED FOCUSED SPOT)	-27 TO -63	VOLTS
FOCUSING COIL CURRENT (APPROX.)	135	MA.
ION-TRAP CURRENT (APPROX.)[A]	80	MA.

[A] SINGLE FIELD ION-TRAP MAGNET.





1. HEATER
2. GRID NO. 1
6. NO CONNECTION
7. NO CONNECTION
10. NO CONNECTION
11. CATHODE
12. HEATER
CAP ANODE

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