TENTATIVE DATA

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 12KP4A 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 3/4" X 10 1/2". A REFLECTIVE METAL-BACKED
SCREEN PREVENTS ION-SPOT BLEMISH AND GIVES IMPROVED PICTURE CONTRAST
AND DETAIL. AN EXTERNAL CONDUCTIVE COATING WHEN GROUNDED SERVES AS A
HIGH VOLTAGE FILTER CAPACITOR.

DESCRIPTION

FLUORESCENCE AND PHOSPHORESCENCE WHITE
PERSISTENCE MEDIUM
DEFLECTING AND FOCUSING METHOD MAGNETIC
DEFLECTION ANGLE (APPROX.) 54 DEGREES
COATING CONDUCTIVE
BULB CONTACT RECESSED SMALL CAVITY CAP
RASTER SIZE 7 3/4" X 10 1/2"

RATINGS
INTERPRETED ACCORDING TO RWA STANDARD MR-210

HEATER VOLTAGE 6.3 VOLTS
HEATER CURRENT 0.6 AMP.
MAXIMUM ANODE VOLTAGE 12000 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 VOLTAGE 1.5 MEGOHMS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

ANODE VOLTAGE 11000 VOLTS
GRID #2 VOLTAGE 250 VOLTS
GRID #1 VOLTAGE (VISUAL EXTINCTION OF
UNDEFLECTED FOCUSED SPOT) -27 TO -63 VOLTS
FOCUSBNG COIL CURRENT (APPROX.) 135 MA.
1. HEATER
2. GRID NO. 1
6. NO CONNECTION
7. NO CONNECTION
10. GRID NO. 2
11. CATHODE
12. HEATER