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 5 PIN BASE

THE 10FP4 IS A GLASS ENVELOPE MAGNETIC DEFLECTION AND MAGNETIC FOCUS DIRECT-VIEW PICTURE TUBE INTENDED FOR USE IN TELEVISION RECEIVERS. IT PROVIDES FOR A PICTURE 6" X 8". A REFLECTIVE METAL-BACKED SCREEN PREVENTS ION-SPOT BLEMISH AND GIVES IMPROVED PICTURE CONTRAST. 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
ANODE TERMINAL RECESSED SMALL CAVITY CAP
RASTER SIZE 6" X 8"

DIRECT INTERELECTRODE CAPACITANCES - APPROX.
GRID #1 TO ALL OTHER ELECTRODES 6 µuf
CATHODE TO ALL OTHER ELECTRODES 5 µuf
EXTERNAL CONDUCTIVE COATING TO ANODE 500 - 2 500 µuf

RATINGS

INTERPRETED ACCORDING TO NMA STANDARD MB-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 410 VOLTS
NOT EXCEEDING 45 SECONDS
AFTER EQUIPMENT WARM-UP PERIOD 140 VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE 140 VOLTS
MAXIMUM GRID #1 CIRCUIT RESISTANCE 1.5 MEGOHMS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

ANODE VOLTAGE 11 000 VOLTS
GRID #2 VOLTAGE 250 VOLTS
GRID #1 VOLTAGE (VISUAL EXTINCTION OF UNDEFLICTED FOCUSED SPOT) -27 TO -63 VOLTS
FOCUSING COIL CURRENT (APPROX.) 110 MA.
SPOT CENTERING 16 MM.