FLECTROSTATIC

MEGOHMS

SECONDS

1.5

11.0

FOCUSING METHOD

--- TUNG·SOL --

CATHODE RAY

THE 17BKP4 AND 17BKP4A ARE DIRECT VIEW PICTURE TUBES DESIGNED FOR TELEVISION APPLICATIONS. THE TUBES ARE IDENTICAL EXCEPT FOR THE ALUM-INIZED SCREEN ON THE 17BKP4A. THEIR COMMON FEATURES INCLUDE:

MAGNETIC DEFLECTION ELECTROSTATIC FOCUS UNIPOTENTIAL CATHODE GRAY FILTER FACEPLATE EXTERNAL CONDUCTIVE COATING EXTERNAL SINGLE FIELD ION TRAP RECTANGULAR GLASS CONSTRUCTION 14 5/16" X 11 1/8" RASTER SIZE

ELECTRICAL DATA

1 GCGSTING METHOD		ELECTROSTATIC
DEFLECTING METHOD		MAGNETIC
DEFLECTION ANGLE (APPROX.):		
HORIZONTAL	85	DEGREES
DIAGONAL	90	DEGREES
DIRECT INTERELECTRODE CAPACITANCES (APPROX.);	· ·	
CATHODE TO ALL OTHER ELECTRODES	Б	$\mu\mu$ f
GRID #1 TO ALL OTHER ELECTRODES	5 6	μμf
MAXIMUM EXTERNAL CONDUCTIVE COATING TO ANODE	1500	$\mu\mu$ f
MINIMUM EXTERNAL CONDUCTIVE COATING TO ANODE	1200	μμ f
OPTICAL DATA		
PHOSPHOR NUMBER	SULFIDE TYPE	∩ - 4
FLUORESCENT COLOR	002, 102 7712	WHITE
PHOSPHORESCENT COLOR		WHITE
PERSISTENCE		MEDIUM
FACEPLATE TRANSMISSION AT CENTER (APPROX.):	74	PERCENT
RATINGS		
HEATER VOLTAGE	R SYSTEM 6.3	VOLŤS
HEATER CURRENT	0.450 ±59	
MAXIMUM DC ANODE VOLTAGE	17 600	
MAXIMUM DC GRID #4 VOLTAGE	-550 TO +1100	
MAXIMUM DC GRID #2 VOLTAGE	550	
MAXIMUM GRID #1 VOLTAGE:	990	VOL 15
DC NEGATIVE-BIAS VALUE	155	VOLTS
DC POSITIVE-BIAS VALUE	0	
POSITIVE-FEAK VALUE	2	
MAXIMUM DC PEAK HEATER-CATHODE VOLTAGE:	2	VOLIS
HEATER NEGATIVE WITH RESPECT TO CATHODE		
DURING WARM-UP PERIOD NOT TO EXCEED 15 SECON	ios 450	VOL *0
AFTER EQUIPMENT WARM-UP PERIOD	200	· -
HEATER POSITIVE WITH RESPECT TO CATHODE	200 200	VOLTS
MAXIMUM COLO III COLO	200	VOLTS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

The state of the s	
DC ANODE VOLTAGE	VOLTS
DC CD10 #4 UCL T. 4-	
-90 1011310	VOLTS
DC GRID #2 VOLTAGE 300	
DC GRID #4 VOLTAGEA	VOLTS
-28 to -72	VOLTS
DC ION TRAP MACHET OTABLES	VOLIS
DC ION TRAP MAGNET STANDARD COIL #417 (APPROX.) 28	MA.
DC ION TRAP MACHET DATED STORMSTIL	
31	GAUSES

A VISUAL EXTINCTION OF FOCUSED RASTER.

MAXIMUM GRID #1 CIRCUIT RESISTANCE

HEATER WARM-UP TIME (APPROX.) *

CONTINUED ON FOLLOWING PAGE

^{*} HEATER WARM-UP TIME IS THE TIME REQUIRED FOR THE VOLTAGE ACROSS THE HEATER TERMINALS TO IN-CREASE TO 5.0 VOLTS IN THE JETEC TEST CIRCUIT, WITH E=25 VOLTS AND SERIES R=42 OMMS.

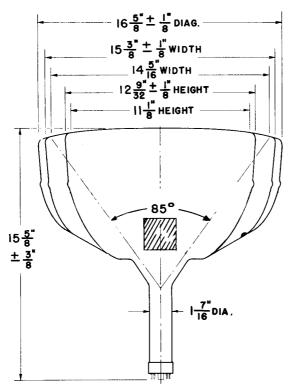
TUNG-SOL

CONTINUED FROM PRECEDING PAGE

MECHANICAL DATA

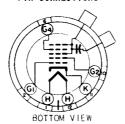
OVERALL LENGTH 15 5/8 ± 3/8 INCHES GREATEST DIMENTSIONS OF BULB: DIAGONAL 16 5/8 ± 1/8 INCHES 15 3/8 ± 1/8 INCHES 12 9/32 ± 1/8 INCHES MIN. USEFUL SCREEN DIMENSIONS: WIDTH 14 5/16 INCHES HEIGHT 11 1/8 INCHES BULB CONTACT RECESSED SMALL CAVITY CAP $J_{1}-21$ SMALL SHELL DUODECAL 6 PIN B6-63 BASING 12L BULB CONTACT ALIGNMENT

J1-21 CONTACT ALIGNS WITH PIN POSITION #6 \pm 30 DEGREES



PIN CONNECTIONS

PIN 1 — HEATER
PIN 2 — GRID #1
PIN 6 — GRID #4
PIN 10 — GRID #2
PIN 11 — CATHODE



PIN 12 - HEATER ANODE CAP: GRID NO.3 GRID NO.5