--- TUNG-SOL ---

CATHODE RAY

THE 21CUP4 IS A DIRECT VIEW PICTURE TUBE DESIGNED FOR TELEVISION APPLICATIONS. ITS FEATURES INCLUDE:

UNIPOTENTIAL CATHODE ALUMINIZED SCREEN
GRAY FILTER FACEPLATE EXTERNAL CONDUCTIVE COATING
MAGNETIC FOCUS AND DEFLECTION EXTERNAL SINGLE FIELD ION TRAP
19 1/16" X 15 1/16" RASTER SIZE

ELECTRICAL DATA

FOCUSING METHOD DEFLECTING METHOD DEFLECTION ANGLE (APPROX.)		MAGNETIC MAGNETI C
HOR I ZONTAL DIAGONAL DIEGOT INTERELECTRODE CARACITANOSO (ADROS)	85 90	DEGREES DEGREES
DIRECT INTERELECTRODE CAPACITANCES (APPROX.): CATHODE TO ALL OTHER ELECTRODES GRID #1 TO ALL OTHER ELECTRODES MAXIMUM EXTERNAL CONDUCTIVE COATING TO ANODE MINIMUM EXTERNAL CONDUCTIVE COATING TO ANODE	5 6 2500 2000	րդս f րդս f րդս f

OPTICAL DATA

PHOSPHOR NUMBER	SULFIDE TYPE.	P-4
FLUORESCENT COLOR	_	WHITE
PHOSPHORESCENT COLOR		WHITE
PERSISTENCE		MEDIUM
FACEPLATE TRANSMISSION AT CENTER (APPROX.):	74	PERCENT

RATINGS

INTERPRETED ACCORDING TO DESIGN CENTER SYS	TEM	
HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.6 ±10%	AMP.
MAXIMUM DC ANODE VOLTAGE	22 000	VOLTS
MAXIMUM DC GRID #2 VOLTAGE	550	VOLTS
MAXIMUM GRID #4 VOLTAGE:	,,,,	
DC NEGATIVE-BIAS VALUE	155	VOLTS
DC POSITIVE-BIAS VALUE	Ō	VOLTS
POSITIVE-PEAK VALUE	2	VOLTS
MAXIMUM DC PEAK HEATER-CATHODE VOLTAGE:	-	.02.13
HEATER NEGATIVE WITH RESPECT TO CATHODE		
DURING WARM-UP PERIOD NOT TO EXCEED 15 SECONDS	450	VOLTS
AFTER EQUIPMENT WARM-UP PERIOD	200	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	200	VOLTS
MAXIMUM GRID #1 CIRCUIT RESISTANCE	1.5	MEGOHMS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

DC ANODE VOLTAGE DC GRID #2 VOLTAGE	16 000 300	VOLTS VOLTS
DC GRID #1 VOLTAGE ^A	−28 to −72	VOLTS
DC FOCUSING COIL CURRENT (APPROX.)	117	MA.
DC ION TRAP MAGNET RATED STRENGTH	40	GAUSSES

Avisual extinction of focused raster.

CONTINUED ON FOLLOWING PAGE

12N

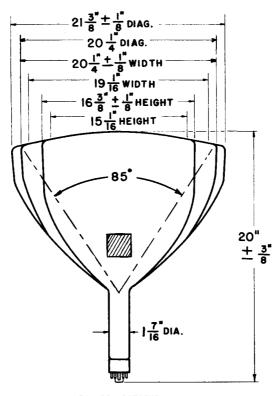
CONTINUED FROM PRECEDING PAGE

MECHANICAL DATA

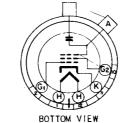
11201	ANIONE DAIA	
OVERALL LENGTH	20 ± 3/8	INCHES
GREATEST DIMENSIONS OF BULB:		
DIAGONAL	21 3/8 ± 1/8	INCHES
WIDTH	20 1/4 ± 1/8	INCHES
HEIGHT	16 3/8 ± 1/8	INCHES
MIN. USEFUL SCREEN DIMENSIONS:		
DIAGONAL	20 1/4	INCHES
WIDTH	19 1/16	INCHES
HEIGHT	15 1/16	INCHES
BULB CONTACT	RECESSED SMALL CAVITY CAP	J1-21
BASE	SMALL SHELL DUODECAL 5 PIN	B5-57
BASING		4 2 N

BULB CONTACT ALIGNMENT

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



PIN CONNECTIONS



PIN 12 - HEATER ANODE CAP: GRID NO.3

PIN 4 - HEATER PIN 2 - GRID #1 PIN 10 - GRID #2 PIN 11 - CATHODE