--- TUNG-SOL --

CATHODE RAY

THE 17CBP4 IS A DIRECT-VIEW PICTURE TUBE DESIGNED FOR TELEVISION APPLICATIONS. EXCEPT FOR THE NON ALUMINIZED SCREEN, THE 17CBP4 IS IDENTICAL TO THE 17BUP4. ITS FEATURES INCLUDE:

ELECTROSTATIC FOCUS
UNIPOTENTIAL CATHODE
EXTERNAL CONDUCTIVE COATING
RECTANGULAR GLASS CONSTRUCTION

MAGNETIC DEFLECTION
GRAY FILTER FACEPLATE
EXTERNAL SINGLE FIELD ION TRAP
14 5/16" X 11 1/8" RASTER SIZE

ELECTRICAL DATA

FOCUSING METHOD	ELECTROSTATIC	
DEFLECTING METHOD		MAGNETIC
DEFLECTION ANGLE (APPROX.):		
HORIZONTAL	85	DEGREES
VERTICAL	68	DEGREES
DIAGONAL	90	DEGREES
DIRECT INTERELECTRODE CAPACITANCES (APPROX.):		
CATHODE TO ALL OTHER ELECTRODES	5	μμ f
GRID #1 TO ALL OTHER ELECTRODES	6	μμ f
MAXIMUM EXTERNAL CONDUCTIVE COATING TO ANODE	1500	µµ f
MINIMUM EXTERNAL CONDUCTIVE COATING TO ANODE	1200	$\mu\mu$ f

OPTICAL DATA

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

RATINGS INTERPRETED ACCORDING TO DESIGN CENTER SYSTEM

HEATER VOLTAGE	6.3	VOLTS
HEATER CURRENT	0.6	AMP.
MAXIMUM DC ANODE VOLTAGE	18 000	VOLTS
MAXIMUM DC GRID #4 VOLTAGE -5	500 to +1000	VOLTS
MAXIMUM DC GRID #2 VOLTAGE	500	VOLTS
MAXIMUM GRID #1 VOLTAGE:		
DC NEGATIVE-BIAS VALUE	125	VOLTS
DC POSITIVE-BIAS VALUE	0	VOLTS
POSITIVE-PEAK VALUE	0	VOLTS
MAXIMUM DC PEAK HEATER-CATHODE VOLTAGE:		
HEATER NEGATIVE WITH RESPECT TO CATHODE		
DURING WARM-UP PERIOD NOT TO EXCEED 15 SECOND	os 410	VOLTS
AFTER EQUIPMENT WARM—UP PERIOD	180	VOLTS
HEATER POSITIVE WITH RESPECT TO CATHODE	180	VOLTS
MAXIMUM GRID #1 CIRCUIT RESISTANCE	1.5	MEGOHMS

TYPICAL OPERATING CONDITIONS AND CHARACTERISTICS

DC ANODE VOLTAGE ^A	12 000	VOLTS
DC GRID #4 VOLTAGE	-50 to +3 50	VOLTS
DC GRID #2 VOLTAGE	300	VOLTS
DC GRID #1 VOLTAGE ⁸	−28 то −72	VOLTS
DC ION TRAP MAGNET RATED STRENGTH	32	GAUSSES

A BRILLIANCE AND DEFINITION DECREASE WITH DECREASING ANODE VOLTAGE. IN GENERAL, THE ANODE VOLTAGE SHOULD NOT BE LESS THAN 17,600 VOLTS.

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 $^{^{\}mathsf{B}}\mathsf{visual}$ extinction of focused raster.

17CBP4 TENTATIVE DATA

TUN6-SOL

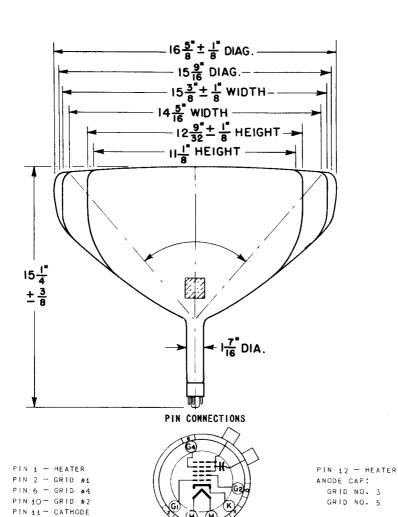
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MECHANICAL DATA

OVERALL LENGTH 15 1/4 ± 3/8 INCHES GREATEST DIMENSIONS OF BULB; 16 5/8 ± 1/8 INCHES 15 3/8 ± 1/8 WIDTH INCHES HEIGHT 12 9/32 ± 1/8 INCHES MIN. USEFUL SCREEN DIMENSIONS: 15 9/16 INCHES WIDTH 14 5/16 INCHES HEIGHT 11 1/8 INCHES BULB CONTACT RECESSED SMALL CAVITY CAP J1-21 BASE SMALL SHELL DUODECAL 6 PIN B6-63 BASING 12L

BULB CONTACT ALIGNMENT

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



BOTTOM VIEW