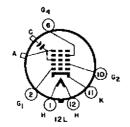
May 29, 1958

TELEVISION PICTURE TUBE TYPE 17CZP4

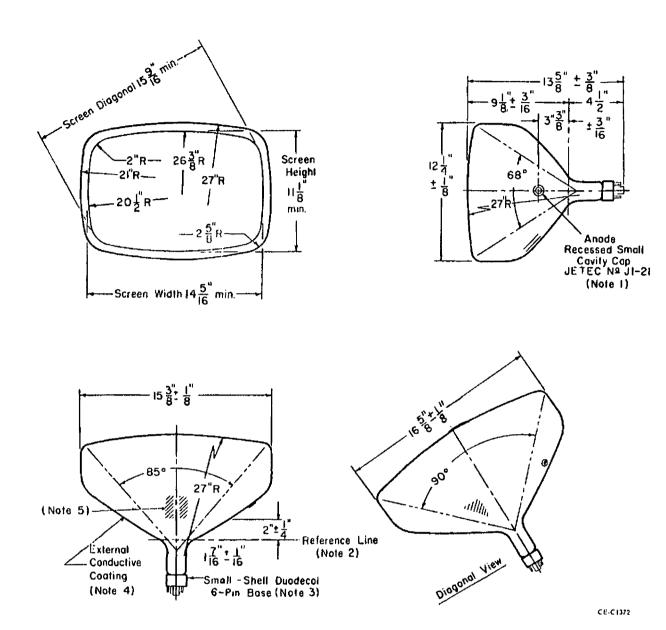
90° Magnetic Deflection Rectangular Glass Aluminized			atic Focus E eck Length				eplate
Gray Filter Glass				14-5/16" x	11-		
ELECTRICAL:			MAXIMUM RATINGS:				
Cathode	Coated U	nipotential	Design Center Values				
Heater:			Anode Valtage*	16	000	māx,	Volts
Voltage (ac or dc)	6.3	Volts	Grid 4 Voltage:				
Current	0.6	Ampere	Positive Value		000	max.	Volts
Direct Interelectrode Capacitances:			Negativa Value		500	max.	Volts
Grid I to all other Electrodes,	6	ouf	Grid 2 Valtage		500	max.	Volts
Cathode to all other Electrodes	5	vof	Grid I Valtage:				
External Conductive Coating:	1.500		Negative Bias Value		140	max.	Volts
Maximum	1500 1000	ouf uuf	Positive Peak Value		0	max.	Volts
Screen:	1000	UUT	Peak Heater-Cathode Voltage:				
Phosphor	A I	ninized P4	Heater Negative with Respect		410		14 Is
Fluorescence	n lui	White	During warmup period of 15 sec. After equipment warmup period		410 180	mā x.	Volts Volts
Persistence		Short	Heater Positive with Respect		100	Max.	VOIIS
Focusing Method	ΕI	ectrostatic	Cathode		180	max.	Volts
Deflection Method		Magnetic			100	mux.	4 0118
Horizontal Angle, approx		85*	TYPICAL OPERATING CONDITION	ons:			
Vertical Angle, approx		68*	Anode Voltage		000		Volts
Diagonal Angle, approx		90 °	Grid 4 Voltage				Volta
	No Magne	t Required	Grid 2 Voltage ▲		450		Volts
			Grid 1 Voltage for Raster Cutoff	f≡ 39 to	105		Volts
MECHANICAL:							
Mounting Position		Any	LIMITING CIRCUIT VALUES:				
Screen Dimensions:			Grid 1 Circuit Resistance		1.5	max. M	legohms
Screen Area, Min		\$q. Inches	Grid 2 Circuit Resistance •		000		ohms
Height	11-1/8" 4-5/16"	Min. Min.	Grid 4 Circuit Resistance	104	000		ohm s
Diagonal 15-9/16" Min.			* Brilliance and definition decrease with decreasing anode voltage.				
Faceplate Spherical Outer & Inner Surfaces			in general, anode voltage shou	ild not be less	s the	n 1000	0 volts.
Glass	Nec	utral Filter	• Protective resistance in the Grid	2 1 C-14 4	. 1		
Transmission	74	Per Cent	to prevent damage.	2 5110 0/10 4 0	1100	112 12 00	AISODIA
Bulb		1133@ l	to prevent admaga,				
Bulb Dimensions:			▲ It is recommended that Grid 2 be	pperated at a	unler		ter than
Height		'4'' ± 1/8''	300 volts since resolution is off	•			ier mun
Width		/8" ± 1/8"		00100 2010W 111			
Diagonal		/8" ± 1/8"	■ Roster size is 11-1/8" x 14-5/1	6**			
Overall Length	13-5/ 13	/8" ± 3/8" Pounds		•			
Net Weight, approx	inasmuch as the tube rating permits operation at voltages as high as 17.6 kilovolts (absolute value), shielding of the tube for x-ray radi-						
Base Small 5	ation may be needed whenever the operating conditions involve voltage in excess of 16 kilovolts.						
Basing	(35.11	EC 86-203) 12L	NOTE: It is recommended that cen	tering magnets	be v	vithin 2-	11/16"



Cathode Ray Tube Section

of yoke reference line.

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NOTE 1. The plane through the tube axis and the base pin No. 6 may vary from the plane through the tube axis and the bulb terminal by an angular tolerance of ±30° measured about the tube axis. The bulb terminal is on the same side of the tube as pin No. 6.

NOTE 2: With the tube neck inserted through the flared end of Reference-Line Gauge (JETEC No. 116) and with the tube seated in the gauge, the reference line is determined by the intersection of the plane cc' (face of the flared end) of the gauge with the glass funnel.

NOTE 3: The socket should not be mounted rigidly but it should be allowed to move freely and it should have flexible leads. The bottom circumference of the base shell will lie within a circle concentric with the bulb axis and having a diameter of 3".

NOTE 4. External conductive coating must be grounded.

NOTE 5. Contact area of external conductive coating 2" min. x 2" min. located 2" ± 1/4" from reference line 90° counterclackwise from anode button as viewed from base end of tube.