

Small electrostatic cathode-ray instrument display tube with a 6.3 V heater, anode operation up to about 2.75 kV, and electrostatic deflection electrodes for waveform presentation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray

No fixed ratings recorded.

CRT section; maximum anode voltage 2750 V and capacitances retained in parameter table.

Focusing Method cuvicesvveoncanaraanessscsnss electrostatic Deflection Method ceiovecioesasaacs
ressrescsrcastr Electrostatic Cathode to all other electrodes nesnes e 4.0 uuf Grid #1 to all other
electrodes ..cvcavonsaas « 11.0 uuf D1 to D2 s.evcevoccnannrcnna cecosrsossvaaenarea 4.0 uuf

SOURCE OPERATING CONDITIONS

1960 Waterman Products

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1960 WATERMAN PRODUCTS

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cathode to all other electrodes nesnes e	4 pF	Cathode to all other electrodes nesnes e 4.0 uuf
Grid # [1]	1 pF	Grid #1 to all other electrodes ..cvcavonsaas « 11.0 uuf
Grid # [2]	11 pF	Grid #1 to all other electrodes ..cvcavonsaas « 11.0 uuf
Heater Voltage «ivievivincannas ver s	6.3 V	Heater Voltage «ivievivincannas ver s 6.3 volts
Heater Current at [1]	6.3 V	Heater Current at 6.3 volts savuvenvrans .6 T10% amperes
Heater Current at [2]	6 V	Heater Current at 6.3 volts savuvenvrans .6 T10% amperes
Heater Current at [3]	0 V	Heater Current at 6.3 volts savuvenvrans .6 T10% amperes
Anode Voltage ..vsivcsnnseasnassnrnsanse	2750 V	Anode Voltage ..vsivcsnnseasnassnrnsanse 2750 max volts DC
Anode Input L R I I N A A S)	6	Anode Input L R I I N A A S) 6 max watts
Anode # [1]	1 V	Anode #1 {Focusing Electrode VYoltage)... 1100 max volts DC
Anode # [2]	1100 V	Anode #1 {Focusing Electrode VYoltage)... 1100 max volts DC
Grid #	1	Grid #1 VYoltage
Heater pognitive with respect to	125 V	Heater pognitive with respect to 125 max volts
Cathode R R EE	25	Cathode R R EE 25 max VO]tS
any Deflection Electrode vvivveeeneranns	550 V	any Deflection Electrode vvivveeeneranns 550 max volts

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode # [1]	2 V	Anode #2 Voltage 1000 2000 volts
Anode # [2]	1000 V	Anode #2 Voltage 1000 2000 volts
Anode # [3]	2000 V	Anode #2 Voltage 1000 2000 volts
Anode # Voltag [1]	165 V	Anode # Voltag 165 to 310 330 to 620 volts
Anode # Voltag [2]	310 V	Anode # Voltag 165 to 310 330 to 620 volts
Anode # Voltag [3]	330 V	Anode # Voltag 165 to 310 330 to 620 volts
Anode # Voltag [4]	620 V	Anode # Voltag 165 to 310 330 to 620 volts
Grid # [1]	1 V	Grid #1 Voltage?Note) -29 to -67.5 -58 to =135 wvolts
Grid # [2]	-29 V	Grid #1 Voltage?Note) -29 to -67.5 -58 to =135 wvolts
Grid # [3]	-67.5 V	Grid #1 Voltage?Note) -29 to -67.5 -58 to =135 wvolts
Grid # [4]	-58 V	Grid #1 Voltage?Note) -29 to -67.5 -58 to =135 wvolts
Grid # [5]	135 V	Grid #1 Voltage?Note) -29 to -67.5 -58 to =135 wvolts
Published value	2	2- Connect free deflecting electrodes to anode.

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

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