



ELECTRONIC TUBE REFERENCE

31C81

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Flat-screen all-electrostatic six-inch cathode-ray tube with post-deflection acceleration for high-precision instruments. Its electrostatic system and accelerated beam provide a bright, accurate oscillographic trace.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	14
NOMINAL HEATER	6.3 V / 500 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION0 Cathode Ray	
MAXIMUM PLATE VOLTAGE	8000 V
All-electrostatic CRT with post-deflection acceleration.	

Flat-screen all-electrostatic 6-inch cathode-ray tube with post-deflection acceleration for high-precision instruments.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 0 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MinimumFinalAnodeVoltage	2 kV	—
MaximumThirdAnodeVoltage	4 kV	—
MaximumSecondAnodeVoltage	2 kV	—
MaximumFirstAnodeVoltage	2.5 kV	—
TypicalFinalAnodeVoltage	4 kV	—
TypicalThirdAnodeVoltage	2 kV	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 AEI Industrial Valves

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

1961 AEI INDUSTRIAL VALVES

Section 0 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumFinalAnodeVoltage	8000 V	—
MinimumFinalAnodeVoltage	2000 V	—
MaximumThirdAnodeVoltage	4000 V	—
MinimumThirdAnodeVoltage	1000 V	—
MaximumSecondAnodeVoltage	2000 V	—
MinimumFirstAnodeVoltage	1000 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Heater Cathode Voltage	150 V	—
TypicalFinalAnodeVoltage	4000 V	—
TypicalThirdAnodeVoltage	2000 V	—
TypicalSecondAnodeVoltage	350 V	—
TypicalFirstAnodeVoltage	2000 V	—



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1961 Associated Electrical Industries

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

1961 ASSOCIATED ELECTRICAL INDUSTRIES

Section 0 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MaximumFinalAnodeVoltage	8000 V	—
MinimumFinalAnodeVoltage	2000 V	—
MaximumThirdAnodeVoltage	4000 V	—
MinimumThirdAnodeVoltage	1000 V	—
MaximumSecondAnodeVoltage	2000 V	—
MinimumFirstAnodeVoltage	1000 V	—
Maximum Heater Cathode Voltage	150 V	—
TypicalFinalAnodeVoltage	4000 V	—
TypicalThirdAnodeVoltage	2000 V	—
TypicalSecondAnodeVoltage	350 V	—
TypicalFirstAnodeVoltage	2000 V	—