

ELECTRONIC TUBE REFERENCE

31D15

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Rectangular cathode-ray tube with 90-degree magnetic deflection and low-voltage electrostatic focusing for industrial monitoring equipment. It provides a direct-view display for non-consumer monitoring installations.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION0 Cathode Ray
No fixed ratings recorded.

Rectangular cathode-ray tube with 90-degree magnetic deflection and low-voltage electrostatic focus for industrial monitoring equipment.

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
MaximumSecondAndFourthAnodeVoltageDesignCentre	15000 V	—
AbsoluteMaximumSecondAndFourthAnodeVoltage	18000 V	—
MinimumSecondAndFourthAnodeVoltage	8000 V	—
MaximumThirdAnodeVoltage	700 V	—
MaximumFirstAnodeVoltage	500 V	—
Maximum Heater Cathode Voltage	200 V	—
Maximum Peak Heater Cathode Voltage	400 V	—
TypicalSecondAndFourthAnodeVoltage	12000 V	—
TypicalFirstAnodeVoltage	400 V	—
TypicalThirdAnodeVoltageForFocus	200 V	—
GridBiasForCutoff	-72--30 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridToAllCapacitanceBalanced	7 pF	—
GridToAllCapacitanceWithHolder	8.5 pF	—
CathodeToAllCapacitanceBalanced	3 pF	—
CathodeToAllCapacitanceWithHolder	3.5 pF	—
FinalAnodesToExternalCoatingCapacitance	400 pF	—

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

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TUBE TINKER

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