

ELECTRONIC TUBE REFERENCE

31F12

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Seventeen-inch rectangular cathode-ray tube for large-screen oscilloscopes, with electrostatic focus, magnetic deflection, gray aluminized face, and a T9 long-orange-afterglow screen for extended trace visibility.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
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	
MAXIMUM PLATE VOLTAGE	16000 V

17-inch diagonal rectangular cathode-ray tube for large-screen oscilloscopes, with electrostatic focus, magnetic deflection, grey aluminised face, and long-orange-afterglow T9 screen.



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 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
MinimumSecondFourthAnodeVoltage	12 kV	—
MaximumThirdAnodeVoltage	700 V	—
MaximumFirstAnodeVoltage	400 V	—
Maximum Heater Cathode Voltage	180 V	HeaterNegative
Peak Heater Cathode Voltage	400 V	WarmupMaximum1Minute

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
GridAllCapacitance	9 pF	—
CathodeAllCapacitance	65 pF	—



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 1 · Cathode Ray

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TUBE TINKER

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and their source documents.

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