



ELECTRONIC TUBE REFERENCE

30E11

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Twelve-inch long-afterglow cathode-ray tube designed for marine radar PPI display. Its persistent screen retains plotted echoes between sweeps, while the high-voltage display system provides the brightness required for radar observation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	4 V / 750 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 0 Cathode Ray*No fixed ratings recorded.*

12-inch long-afterglow cathode-ray tube for marine radar PPI display.



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
Maximum first-anode voltage	1700 V	—
Maximum third-anode voltage	10000 V	—



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
MaximumFirstAnodeVoltage	1700 V	—
MaximumSecondAnodeVoltage	1700 V	—
MaximumThirdAnodeVoltageDesignCentre	10000 V	—
AbsoluteMaximumThirdAnodeVoltage	12000 V	—
TypicalThirdAnodeVoltage	10000 V	—
TypicalSecondAnodeVoltageForFocus	1500 V	—
TypicalFirstAnodeVoltage	1550 V	—
GridBiasForCutoff	-80 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
MaximumFirstAnodeVoltage	1700 V	—
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GridBiasForCutoff	-80 V	—

TUBE TINKER

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