



ELECTRONIC TUBE REFERENCE

16BUP4

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Sixteen-inch P4 direct-view picture tube with an anode operating range of roughly 10-16 kV and typical operation near 13 kV. RMA/EIA data also provide an adjustable focusing-electrode range for picture optimization.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	16000 V
<i>CRT anode/ultor voltage is represented in MaxPlateVoltage; additional electrode, drive, optical, and capacitance data retained as parameters.</i>	

The 16BUP4 is a direct-view cathode-ray television picture tube. The supplied sheet specifies its focus/deflection system, high-voltage anode operation, heater requirements, electrode ratings, and picture-tube mechanical/optical characteristics.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Minimum anode voltage	10000 V	—
Maximum anode voltage	16000 V	—
Minimum anode voltage	10000 V	—
Typical anode voltage	13000 V	—
Maximum grid No. 2 voltage	200 V	—
Minimum grid No. 2 voltage	175 V	—
Typical grid No. 2 voltage	100 V	—
Maximum heater voltage	6.9 V	—
Minimum heater voltage	3.7 V	—
Grid No. 4 focusing voltage range	500–1000 V	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater warm-up time	11 s	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No. 1 to other electrodes capacitance	6 pF	—
Cathode to other electrodes capacitance	5 pF	—

TUBE TINKER

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

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker