



ELECTRONIC TUBE REFERENCE

CONSOLIDATED TECHNICAL DATA

5CUP18

1 SECTION
CONSTRUCTION
CATHODERAY

Specialized - Cathode Ray electronic tube

Five-inch television film-recording cathode-ray tube designed to expose motion-picture film from a television signal. Its high-voltage display system is optimized for photographic recording rather than direct viewing.

GENERAL CHARACTERISTICS

BASE DESIGNATION	12D	BASE PINS	7
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	30000 V
MAXIMUM SCREEN VOLTAGE	350 V
5-inch television film-recording cathode-ray tube.	

5-inch television film-recording cathode-ray tube.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1945 Continental Electronics

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

1945 CONTINENTAL ELECTRONICS

Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing Method	Electrostatic	—
Deflecting Method	Magnetic	—
Deflection Angle	50 deg	Approximate
Screen	P18 Aluminized	White fluorescence; short persistence

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode 1 Voltage	—8000 V	Maximum
Grid 1 Negative Bias	—150 V	Maximum magnitude
Anode 2 Voltage Typical	27000 V	—
Anode 1 Focus Voltage Typical	4500 V	—
Grid 2 Voltage Typical	200 V	—
Grid 1 Visual Cutoff	-110--70 V	—

TUBE TINKER

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

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