

ELECTRONIC TUBE REFERENCE

12ABP19

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Twelve-inch cathode-ray display tube using electrostatic focusing and magnetic deflection. Its P19 screen provides orange fluorescence with long persistence, making it useful where a trace must remain visible after excitation in direct-view display service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
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	13200 V
Cathode-ray display/electron-gun section.	

Twelve-inch special-purpose CRT with gray-filter faceplate, electrostatic focus and magnetic deflection; phosphor variant as designated.



SOURCE OPERATING CONDITIONS

1960 Du Mont

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

1960 DU MONT

Section 1 · Cathode Ray

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	600 mA	—
Focusing Method	Electrostatic text	—
Deflection Method	Magnetic text	—
Phosphor	P19 text	—
Fluorescence	Orange text	—
Persistence	Long text	—
Deflection Angle	55 deg	Approximate



SOURCE OPERATING CONDITIONS

SOURCE PDF

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	600 mA	—
Anode voltage maximum	13200 V	—
Grid No. 2 voltage maximum	770 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid No. 1 negative bias maximum	200 V	—
Heater-cathode peak voltage	200 V	—

TUBE TINKER

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