

Sixteen-inch P4 direct-view picture tube with electrostatic focusing and magnetic deflection. Rauland specifies approximately 103-degree deflection and typical anode operation around 12 kV, with an 18 kV maximum rating.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	0
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	18000 V
CRT accelerator/final-anode maximum mapped to MaxPlateVoltage.	

Sixteen-inch direct-view rectangular television cathode-ray tube with electrostatic focus and wide-angle magnetic deflection.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Rauland

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

1963 RAULAND

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	450 mA	—
Typical anode/accelerator voltage	12000 V	—
Typical grid 2 voltage	60 V	—
Maximum heater-cathode voltage	180 V	Heater positive to cathode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Electrostatic	—
Deflection method	Magnetic	—
Deflection angle	103 deg	—

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