



ELECTRONIC TUBE REFERENCE

571AP

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch flying-lead micro-spot cathode-ray tube with combined magnetic and electrostatic focusing and magnetic deflection. Its approximately 30 kV anode capability supports high-resolution specialized display or recording.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 300 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
Ratings, characteristics, typical operating points, and capacitances were extracted from the supplied Ferranti datasheet.	

Five-inch flying-lead micro-spot cathode-ray tube with combined magnetic/electrostatic focusing and magnetic deflection.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1963 Ferranti

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

1963 FERRANTI

Section 1 · Cathode Ray

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	6.3 V	—
HeaterOrFilamentCurrent	300 mA	—
FocusingMethod	MagneticAndElectrostatic	—
DeflectionMethod	Magnetic	—
Deflection Angle	60 degree	—
ScreenConstruction	Metal-backed	—
UsefulScreenDiameterMinimum	110 mm	—
GridVoltageForVisualCutoff	-80 to -160 V	FirstAnodeVoltage=2kV
CathodeToAllCapacitanceMaximum	8 pF	—
GridToAllCapacitanceMaximum	8 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
FinalAnodeVoltageMinimum	12000 V	—
FinalAnodeVoltageMaximum	30000 V	—
FirstAnodeVoltageMinimum	1000 V	—
FirstAnodeVoltageMaximum	2500 V	—
HeaterCathodeVoltageMaximum	200 V	HeaterNegative
HeaterCathodeVoltageMaximum	200 V	HeaterPositive
FinalAnodeVoltage	25000 V	—
FirstAnodeVoltage	2000 V	—
GridVoltageForVisualCutoff	-120 V	—
ResolutionMinimum	8000 lines	—

TUBE TINKER

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and their source documents.

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