

ELECTRONIC TUBE REFERENCE

5ELP1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch P1 cathode-ray instrument tube for oscillograph or measurement display, with manufacturer-specified focusing, deflection, accelerating voltages, and phosphor characteristics for precision waveform presentation.

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	12000 V
Published ratings/characteristics promoted from supplied source; additional conditions retained in parameter table.	

Five-inch flat-face oscilloscope CRT with electrostatic focus/deflection and helical post acceleration.

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	600 mA	—
FocusingMethod	Electrostatic	—
DeflectionMethod	Electrostatic	—
Cathode To All Capacitance	4.6 pF	—
Grid1 To All Capacitance	8.6 pF	—
D1ToD2Capacitance	1.8 pF	—
D3ToD4Capacitance	1.6 pF	—
PostAcceleratorResistanceMinimum	200 Mohm	—
PostAcceleratorResistanceMaximum	1500 Mohm	—
MinimumUsefulScreenDiameter	4 in	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PostAcceleratorVoltageMaximum	12000 V	—
IsolationShieldVoltageMaximum	2100 V	—
DeflectionPlateAverageVoltageMaximum	2100 V	—
FocusingElectrodeVoltageMaximum	800 V	—
AverageDeflectionPlateVoltage	1650 V	—

TUBE TINKER

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

