ELECTRONIC TUBE REFERENCE

5EO2P

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch P2 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	5000 V

CRT maximum electrode voltage promoted where published; screen, focusing, deflection, capacitance and operating data preserved as parameters.

5EO2P is a oscilloscope tube using electrostatic focus and electrostatic deflection. The datasheet publishes heater data, screen characteristics, electrode capacitances, maximum ratings, and representative operating conditions.

SOURCE OPERATING CONDITIONS

196X Cintel

SOURCE PDF

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

196X CINTEL

Section 1 · Cathode Ray

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	**6.3 V**	—
Heater current	**600 mA**	—
Focusing method	**Electrostatic**	—
Deflection method	**Electrostatic**	—
Screen fluorescence	**Orange**	—
Screen persistence	**Long**	—
Minimum useful screen diameter	**114 mm**	—
Base	**11 Pin Magnal.**	—
Modulator capacitance	**12 pF**	InterelectrodeCapacitance
X plate capacitance	**5 pF**	InterelectrodeCapacitance
Y plate capacitance	**5 pF**	InterelectrodeCapacitance

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum final anode voltage	**5000 V**	—