



ELECTRONIC TUBE REFERENCE

3EY1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

Compact Cintel electrostatic cathode-ray instrument tube with electrostatic focusing and deflection, operating at up to about 4 kV final-anode voltage and a small precision display screen.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	4000 V
<i>CRT maximum electrode voltage promoted where published; screen, focusing, deflection, capacitance and operating data preserved as parameters.</i>	

3EY1 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

[SOURCE PDF](#)

196X Cintel

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	4 V	—
Heater current	1 A	—
Focusing method	Electrostatic	—
Deflection method	Electrostatic	—
Screen fluorescence	Yellow	—
Screen persistence	Long	—
Minimum useful screen diameter	55 mm	—
Base	B.12.B.	—
Modulator capacitance	13 pF	InterelectrodeCapacitance
Cathode capacitance	12 pF	InterelectrodeCapacitance
X plate capacitance	21 pF	InterelectrodeCapacitance
Y plate capacitance	21 pF	InterelectrodeCapacitance

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum final anode voltage	4000 V	—