



ELECTRONIC TUBE REFERENCE

8SA1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Special-purpose cathode-ray display tube documented for type 8SA1, with manufacturer-defined screen, focusing, and deflection characteristics for technical visual display.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
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	1200 V
<i>Electrostatic CRT; 1200 V is maximum second-anode voltage; first-anode maximum is preserved as a parameter.</i>	

Mazda 8SA1 is an 8 cm electrostatic cathode-ray tube for oscillographic use. The family sheet gives 6.3 V, 0.6 A heating, electrostatic-deflection operating examples and maximum electrode-voltage limits.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1960 Mazda

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

1960 MAZDA

Section 1 · Cathode Ray

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid capacitance	10 pF	—
Deflection plate pair 1 capacitance	3 pF	—
Deflection plate pair 2 capacitance	4 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Second anode voltage maximum	1200 V	—
First anode voltage maximum	400 V	—
Grid voltage minimum	0 V	—
Grid voltage maximum	-35 V	—
Maximum voltage between anode 2 and any deflection plate	500 V	—
Maximum grid resistance	1.5 MΩ	—
Maximum screen dissipation	10 mW/cm ²	—