ELECTRONIC TUBE REFERENCE

SC3180

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
CATHODERAY

Five-inch radar indicator CRT with electrostatic focusing, magnetic deflection, aluminized screen, and sector-scan service. Its anode is rated to approximately 12.5 kV.

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	12500 V

Special-purpose cathode-ray tube; published ratings and construction data captured.

Five-inch radar indicator CRT with electrostatic focus, magnetic deflection, aluminized screen, and sector-scan service.

SOURCE OPERATING CONDITIONS

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Cathode Ray

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	**Electrostatic**	—
Deflection method	**Electrostatic**	—

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	**Electrostatic charge printing**	—

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Cathode Ray

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	**6.3 V**	—
Heater current	**300 mA**	—
Focusing method	**Electrostatic**	—
Deflection method	**Magnetic**	—

OTHER		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Maximum principal anode/accelerator voltage	**12000 V**	—
Anode voltage maximum	**12000 V**	—
Grid2 voltage maximum	**500 V**	—
Typical anode voltage	**8000 V**	—
Typical focus-electrode voltage range	**-40 to +250 V**	—
Grid1 circuit resistance maximum	**1.5 Mohm**	—

APPLICATION		
PARAMETER	**PUBLISHED VALUE**	**CONDITION / NOTE**
Application	**Five-inch radar indicator CRT**	—
Service	**Radar indicator sector scan**	—

Tube Tinker

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

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