



ELECTRONIC TUBE REFERENCE

4XP11

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Ultra-high-resolution magnetic-focus, magnetic-deflection CRT with a small neck and P11 screen, designed for airborne and photo-oscillographic applications. Its anode capability reaches approximately 22 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

SECTION 1 Cathode Ray	
MAXIMUM PLATE VOLTAGE	22000 V
<i>Published source ratings and characteristics promoted where applicable; additional electrical and operating data retained as parameters.</i>	

Ultra-high-resolution magnetic-focus, magnetic-deflection CRT with small neck for airborne/photo-oscillographic applications.



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

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Cathode-ray display / television / instrumentation	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Focusing method	Magnetic	—
Deflection method	Magnetic	—
Deflection angle	50 deg	—
Resolution capability	2600 lines/in	—
Line width	0.0004 in	—
Spot size	0.0007 in	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid1-to-all capacitance	6 pF	—
Cathode-to-all capacitance	6 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode voltage	10000 V	—
Grid1 visual-cutoff range	-20 to -40 V	—
Anode voltage minimum	8000 V	—
Anode voltage maximum	22000 V	—
Focus-coil current	50 mA	—

TUBE TINKER

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and their source documents.

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