



ELECTRONIC TUBE REFERENCE

3FP7

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

CATHODERAY

RMA 3FP7 electrostatic-focus and electrostatic-deflection oscilloscope CRT with P7 phosphor, supplementary high-voltage anode and 6.3 V 0.6 A heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	4B	BASE PINS	12
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	4400 V
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RMA 3FP7 electrostatic-focus/deflection CRT, P7 phosphor. Max supplementary anode3 voltage 4400 V (promoted high-voltage maximum), anode2 max 2200 V, anode1 focus max 1100 V; grid never positive, anode2-to-deflection electrode peak max 550 V, heater-negative-to-cathode DC max 125 V, grid resistance max 1.5 M Ω , deflection-electrode circuit impedance max 1 M Ω . Typical (Va3/Va2/Va1) 2000/2000/575 V, 3000/1500/430 V, 4000/2000/575 V; cutoff -60/-45/-50 V; DJ1/2 sensitivities 0.115/0.115/0.086 mm/V, DJ3/4 0.155/0.156/0.117 mm/V. Capacitances grid-all 3 pF, cathode-all 7 pF, DJ1-DJ2 2 pF, DJ3-DJ4 2 pF, DJ1-all ~9 pF (source scan ambiguous), DJ3-all 7 pF, DJ1 excluding DJ2 7 pF, DJ2 excluding DJ1 7 pF, DJ3 excluding DJ4 5 pF, DJ4 excluding DJ3 6 pF. Side snap cap for anode3. Recommend Va3 $\geq$ 3000 V for high-velocity scanning.

TUBE TINKER

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