



## ELECTRONIC TUBE REFERENCE

# 3DP1S1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

**1 SECTION**  
CONSTRUCTION  
**CATHODERAY**

RMA 3DP1-S1 specialized electrostatic-focus and electrostatic-deflection oscilloscope CRT with additional radial deflection electrode, green P1 phosphor, 6.3 V 0.6 A heater.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | 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

**SECTION 1** Cathode Ray**MAXIMUM PLATE VOLTAGE** 2200 V

RMA 3DP1-S1 specialized oscilloscope CRT, P1 green medium-persistence screen, electrostatic focus and deflection with DJ1-DJ4 paired plates and DJ5 radial electrode. Max anode2 2200 V, anode1 focusing 1100 V, grid never positive, peak anode2-to-deflection electrode 550 V, heater-negative-to-cathode DC 125 V, grid resistor max 1.5 MΩ, deflection circuit impedance max 1 MΩ. Typical Va2 1500/2000 V, Va1 450/575 V, grid cutoff -45/-60 V. DJ1-DJ2 sensitivity 0.153/0.115 mm/V, factor 166/221 V/in; DJ3-DJ4 sensitivity 0.207/0.155 mm/V, factor 123/164 V/in; DJ5 radial factor 245/327 V per inch unit circle. Approx capacitances pF: grid-all 3, cathode-all 7, DJ1-DJ2 2, DJ3-DJ4 2, DJ1-all 9, DJ3-all 7, DJ1 excluding DJ2 7, DJ2 excluding DJ1 7, DJ3 excluding DJ4 5, DJ4 excluding DJ3 6, DJ5-anode2 2.