



## ELECTRONIC TUBE REFERENCE

# 3AFP1

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

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

3AFP1 high-sensitivity green P1 oscilloscope cathode-ray tube with electrostatic focus and X/Y deflection, 6.3 V 0.55 A heater.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | B9G               | BASE PINS            | 9             |
| NOMINAL HEATER      | 6.3 V / 550 mA    | PARALLEL HEATER      | – / –         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |        |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| <b>SECTION 1</b> Cathode Ray                                                                                                                                                                                                                                                                                                                                                                                                                                          |        |
| MAXIMUM PLATE VOLTAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 1500 V |
| MAXIMUM PLATE DISSIPATION                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 W    |
| <i>CRT first and third anodes maximum 1500 V (minimum 700 V, design-centre minimum 800 V), second anode maximum 500 V, maximum difference 1200 V. Peak total anode dissipation 2 W (not ordinary amplifier plate dissipation). Typical first/third anodes 1000 V; focusing second anode 210-320 V; grid visual cutoff -28 to -65 V. X deflection 20 V/cm, Y deflection 11.5 V/cm. Screen P1 green, medium persistence. Grid resistor max 1 MΩ. Source: ETEL 1957.</i> |        |

## SOURCE OPERATING CONDITIONS

# 9999 Mixed 2000

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

9999 MIXED 2000

## Section 1 · Cathode Ray

| OTHER         |                 |                                   |
|---------------|-----------------|-----------------------------------|
| PARAMETER     | PUBLISHED VALUE | CONDITION / NOTE                  |
| Plate voltage | 1000 V          | Typical first/third anode voltage |